



Missouri Employment Outlook

**Projections to 2008 for
Industries and Occupations**

April, 2002

Missouri Department of Economic Development



Missouri Economic Research & Information Center

Additional Information is available at:

www.MissouriEconomy.org

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The *Missouri Employment Outlook* provides an overview of expected Missouri employment trends over a medium-to-long-term horizon: ten years. Growth and decline in employment in individual industries and occupations are projected, using a standardized approach.

The primary purpose of the *Outlook* is to provide help to policy makers, planners and educators in developing employment and training programs; to individuals making job choices or career plans; and to counselors who will help them.

While the employment outlook information can be helpful to the career decision-making process, employment projections should not be the only basis of a choice of career. Other considerations when choosing a career include the training or skills needed for the job, what the job pays, location of the job, and physical demands of the job. It is important that users of these projections understand their nature, scope, and limitations. All users are urged to read the technical notes section.

The employment projections in the *Outlook* are not unconditional predictions of the future. They are probability statements about future activity and are open to further exploration and debate. Government policies, corporate decisions, economic swings and natural or man-made disasters are only a few of the factors that can cause employment in a particular industry or occupation to change in a totally unexpected way.

The industry employment statistics in this publication represent a count of jobs rather than a count of workers. They do not include agricultural employment (except for employment in agricultural services), self-employment or unpaid family workers. The industry statistics in this publication may show different employment trends in comparison to previous *Employment Outlook* publications. The new data reflect updated information on current industry employment trends. When reviewing the industry data, remember that

industrial growth or decline has the greatest influence on occupational employment change. Industrial growth occurs when the demand for goods or services rises and, in turn, the demand for workers to produce those goods and services rises.

The occupational data also represent a count of jobs rather than a count of

workers. However they do include estimates of self-employment and unpaid family workers. Occupations in this publication may also show substantially different employment trends in comparison to previous *Employment Outlook* publications. The new data reflect changes in occupational staffing patterns reported by employers to the re-designed and expanded Occupational Employment Survey. The data also includes updated information on revised industry trends, expected technological change, and revised rates for self-employment and replacement openings. Also some occupations were deleted, added, or had their names or definitions changed.

These projections were completed prior to the tragic events of September 11. Although many of the immediate economic impacts of these events have been obvious, the nature and degree of longer-term impacts remain unclear. The projections are intended to reflect medium- to long-run trends in industry and occupational employment and not to forecast business cycles. The effects of the current recession do not necessarily affect these longer-term trends.

When reviewing the occupational data, one of the key items to check is average annual job openings. A large number of openings means that it should be relatively easy to find a job in that occupation. There are two sources of job openings. The first - employment growth - is most affected by changes in industry employment although other factors may also have an effect. For instance, technological change can raise the demand for some skills while eliminating the need for others. While this shift is going on, demand in the industry as a whole may be rising or falling. New ways of doing business such as self-service, out-sourcing, or 24-hour operations can also affect occupational employment.

Openings due to replacement needs are the second and a very important source of job openings. The replacement openings presented here represent net replacements. These net replacement openings measure the need for new entrants to the labor force as other workers change occupations or leave the labor force. If training is required, these openings identify the minimum number of individuals who must be trained to replace those leaving an occupation

permanently. Although these net replacement openings may understate the total number of replacements needed in many occupations, they often exceed the number of openings due to job growth. Even in occupations that are not expected to grow, net replacement openings may provide employment opportunities.

A second data item to check is the employment change expressed as a percentage. A fast growing occupation (one that has a high percentage increase) means that demand for the occupation is likely to remain strong and may mean there are good chances for higher earnings in the occupation. But a large percentage increase does not mean that there will be a large number of openings. In some cases the number of new jobs may be quite small, making it difficult to get started in that occupation.

Remember that it may be important to distinguish between those industries and occupations that are **rapidly growing** (have a high percentage rate of growth) and those that will have **large growth** (a large number of new jobs.) There may also be many openings in jobs that are neither rapidly growing nor large growth occupations.

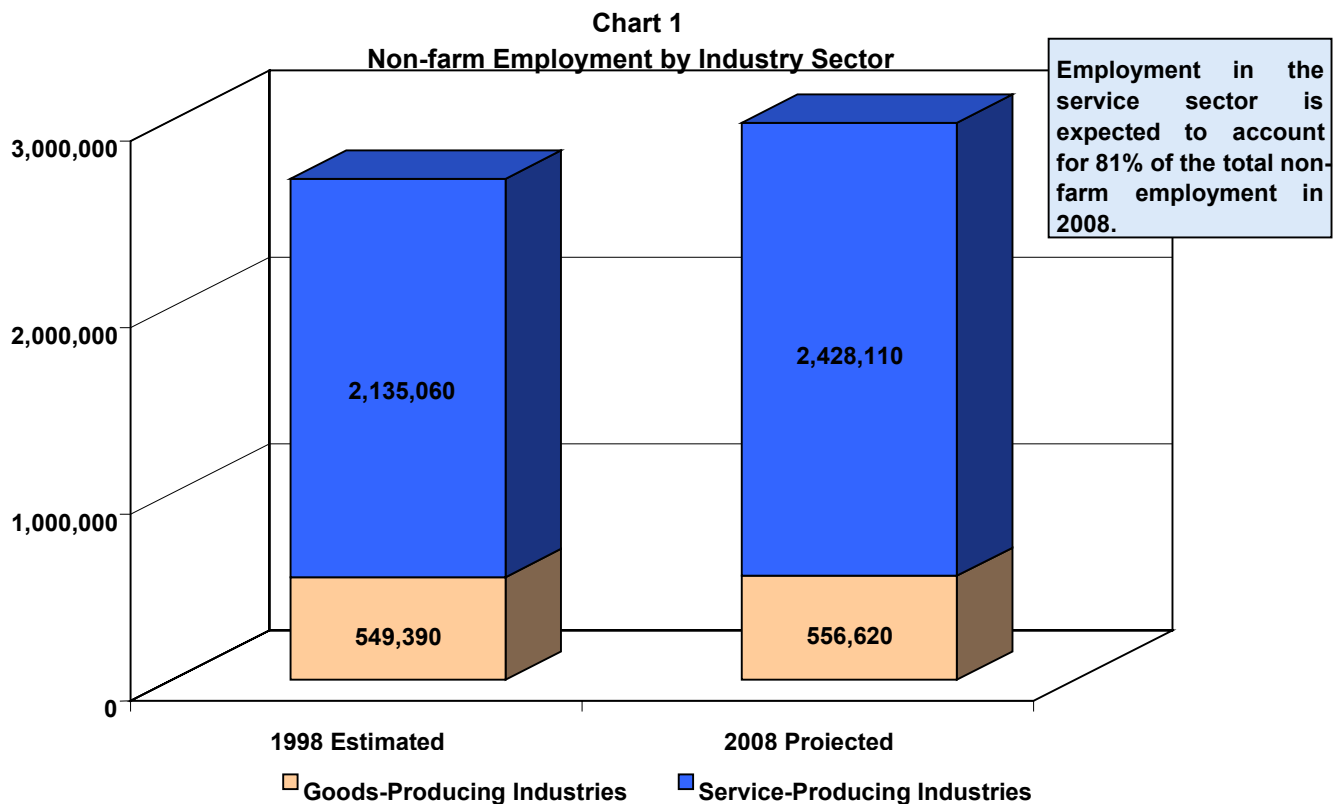
Missouri's non-farm employment will increase 11.2 percent between 1998 and 2008, creating over 300,000 new jobs. This growth is slower than during the previous 10-year period, 1988-1998 when growth was 18.6 percent and Missouri gained an additional 420,000 jobs. This slowdown mirrors the slowdown expected at the national level.

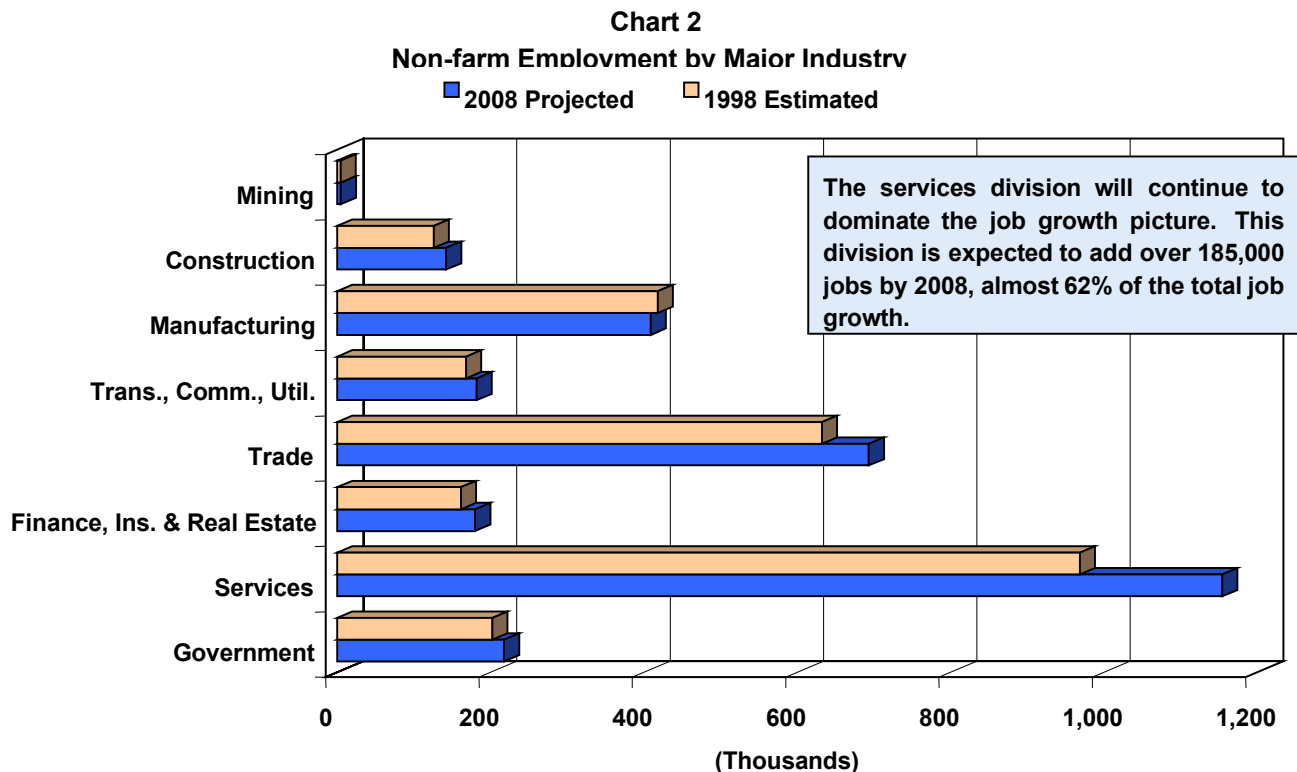
The service-producing sector will remain the dominant source of employment over the projection period. It will increase 13.7 percent between 1998 and 2008 and account for 81 percent of the total employment in 2008 (see chart 1). All the major divisions in this sector are expected to increase (see chart 2). The goods-producing sector is expected to increase slightly over the projections period, growing by 1.3 percent. Construction is the only major division in this sector that is expected to undergo a notable increase.

Major divisions in the goods-producing sector	
<i>Mining</i>	
<i>Construction</i>	
<i>Manufacturing</i>	
<i>Durable Goods Manufacturing</i>	
<i>Non-durable Goods Manufacturing</i>	
Major divisions in the service-producing sector	
<i>Transportation, Communications, Utilities</i>	
<i>Trade</i>	
<i>Wholesale Trade</i>	
<i>Retail Trade</i>	
<i>Finance, Insurance and Real Estate</i>	
<i>Services</i>	
<i>Government</i>	

Mining

Mining employment is expected to change very little over the projection period. Metal mining employment is expected to decrease. Employment in metal mining has been on a





downward trend for many years due in part to stricter environmental regulations. But offsetting the decrease in metal mining is a projected increase in nonmetallic quarrying, which provides raw material for the construction industry.

Construction

Employment in the construction division is expected to increase 12.9 percent, a gain of 16,300 jobs. This division is the most sensitive to economic cycles, benefiting from a strong economy and suffering during downturns.

Population growth, including an increase in older adults, should lead to continued growth in the construction and remodeling of single-family and multi-family dwellings, apartments, and assisted living housing. Growth in retail trade and demand for services such as health care, education, and recreation should lead to

continued growth in nonresidential building construction and remodeling. Special trade contractors closely linked to building construction and remodeling should also continue to grow. The need to upgrade and replace highways and bridges will be a factor in the employment growth in heavy construction. Growth in suburban areas surrounding the state's larger cities may also contribute to the growth in heavy construction employment.

Manufacturing

For several years, manufacturing employment in the state has been declining. During the previous 10-year period (1988-1998), manufacturing employment declined annually at 0.4 percent losing about 16,600 jobs. Between 1998 and 2008 employment in manufacturing should continue to shrink though at a slower rate of 0.2 percent per year, losing an additional 9,100 jobs.

Durable goods manufacturing employment is expected to lose about 6,200 jobs, a loss of 2.6 percent. Many of the durable goods industries will actually expand during the period. However, projected losses by some industries, particularly in electronic and electrical equipment (-1,070 jobs), and transportation equipment (-8,230 jobs), will more than offset those gains.

Non-durable goods manufacturing employment is also expected to decline, losing about 2,900 jobs. As in durable goods manufacturing, gains in many industries will be offset by large losses in others. Industries expected to be hardest hit are apparel and textile products (-4,480 jobs), chemicals and allied products (-1,980), and leather products (-1,060).

Transportation, Communication, & Utilities

The transportation, communication, and utilities division in Missouri should grow over

the projection period. The expected growth of 8.0 percent translates to over 13,500 additional jobs between 1998 and 2008. This growth rate is significantly slower than the 14.7 percent of the previous 10-year period. Trucking and courier services (4,310 jobs), telephone communications (4,090), and freight transportation arrangement (920) are expected to lead this job growth. Railroad transportation (-500 jobs) and electric services (-440) should show the largest job losses.

Trade

Between 1998 and 2008 combined wholesale and retail trade employment in the state is projected to increase by over 60,800 jobs, a 9.6 percent increase. This increase accounts for about 20 percent of the total non-farm employment growth.

Wholesale trade alone is expected to increase by over 9,400 jobs, while retail trade should add

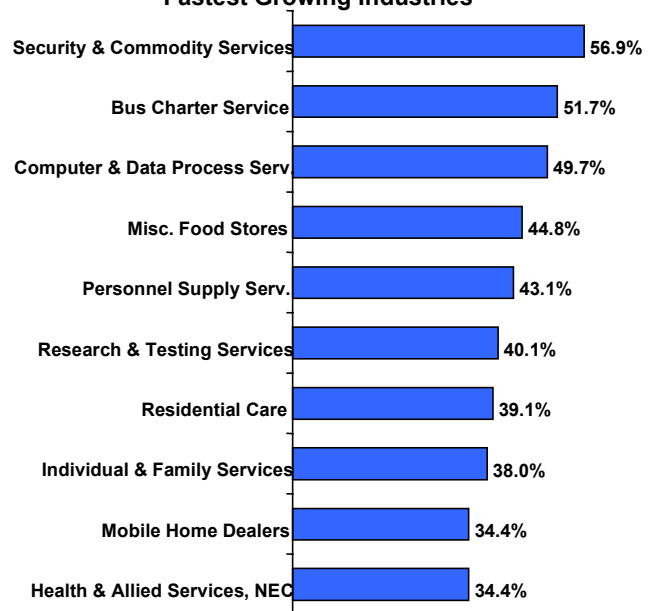
Chart 3

Largest Growth Industries



These ten industries will account for almost 52 percent of employment growth by 2008. Eight are in the services division.

Fastest Growing Industries



These ten industries are expected to grow rapidly, but the increase in the number of jobs for some of these industries may be small.

about 51,400 jobs. While most industries are expected to increase, the largest gains in wholesale trade should come from miscellaneous non-durable goods (1,700 jobs), paper and paper products (1,470), groceries (1,240), and drugs, proprietaries and sundries (1,210). In retail trade, 43 percent of projected growth should come from eating and drinking places (22,180 jobs). Other large gains should be found in department stores (6,880 jobs), miscellaneous shopping goods stores (3,340), and grocery stores (2,890).

Finance, Insurance, and Real Estate

This division should generate about 18,300 new jobs in Missouri over the projection period, an increase of 11.3 percent. The largest gains are expected to occur in security and commodity brokers and services (6,550 jobs), real estate (4,470), and non-depository institutions (3,430). Only savings institutions (-1,240 jobs) are expected to have a substantial decrease in employment.

Services

The services division is projected to generate almost 62 percent of the non-farm employment growth in the state. This translates to a job gain of over 185,000 between 1998 and 2008, a 19.1 percent increase. Over three-fourths of the new jobs are expected to come from four industry groups within the services division: business services (48,570 jobs), health services (40,810), educational services (35,640), and social services (17,890). Eight of the ten industries showing the largest growth fall within the services division (see chart 3).

Government, excluding Hospitals & Schools

Public sector employment in Missouri is expected to grow 7.4 percent from 1998 to 2008, adding almost 15,000 new jobs. This growth will result from increases in state and local government employment. Local government will grow faster (14.8 percent) and add over 13,500 jobs. State government is expected to generate almost 3,700 additional jobs by 2008. The federal government is expected to cut 3,200 jobs.

Missouri

Industry Employment

Industry Code Title	Employment		Change 2000-2008	
	2000 Estimated	2008 Projected	Number	Percent
Total Non-Farm Wage and Salary Employment	2,684,450	2,984,730	300,280	11.2
Goods-Producing Industries	549,390	556,620	7,230	1.3
Service-Producing Industries	2,135,060	2,428,110	293,050	13.7
Mining	4,870	4,900	30	0.6
10 Metal Mining	1,080	930	-150	-13.9
12 Coal Mining	410	430	20	4.9
14 Nonmetallic Minerals, Except Fuels	3,300	3,510	210	6.4
142 Crushed and Broken Stone	2,700	3,000	300	11.1
144 Sand and Gravel	450	400	-50	-11.1
Construction	126,210	142,520	16,310	12.9
15 General Building Contractors	31,510	34,330	2,820	8.9
152 Residential Building Construction	14,610	15,600	990	6.8
153 Operative Building	1,620	1,730	110	6.8
154 Nonresidential Building Construction	15,280	17,000	1,720	11.3
16 Heavy Construction, exc Building	14,710	17,490	2,780	18.9
161 Highway and Street Construction	4,520	5,370	850	18.8
162 Heavy Construction, Except Highway	10,190	12,120	1,930	18.9
17 Special Trade Contractors	79,990	90,700	10,710	13.4
171 Plumbing, Heating, Air Conditioning	17,740	19,900	2,160	12.2
172 Painting and Paper Hanging	4,520	4,920	400	8.8
173 Electrical Work	13,190	15,030	1,840	13.9
174 Masonry, Stonework, and Plastering	10,160	11,590	1,430	14.1
175 Carpentry and Floor Work	6,970	8,250	1,280	18.4
176 Roofing, Siding and Sheet Metal Work	6,160	6,920	760	12.3
177 Concrete Work	8,100	8,720	620	7.7
178 Water Well Drilling	380	390	10	2.6
179 Miscellaneous Special Trade Contractors	12,770	14,980	2,210	17.3
Manufacturing	418,310	409,200	-9,110	-2.2
Durable Goods Manufacturing	239,610	233,390	-6,220	-2.6
24 Lumber and Wood Products	13,260	13,390	130	1.0
241 Logging	310	380	70	22.6
242 Sawmills and Planing Mills	4,920	5,250	330	6.7
243 Millwork, Plywood, and Structural Members	3,490	3,570	80	2.3
244 Wood Containers	2,280	2,430	150	6.6
245 Wood Buildings and Mobile Homes	630	670	40	6.3
249 Miscellaneous Wood Products	1,630	1,090	-540	-33.1
25 Furniture and Fixtures	13,930	14,380	450	3.2
251 Household Furniture	7,200	7,440	240	3.3
252 Office Furniture	430	320	-110	-25.6
253 Public Building and Related Furniture	2,110	2,250	140	6.6
254 Partitions and Fixtures	3,530	3,770	240	6.8
259 Miscellaneous Furniture And Fixtures	660	600	-60	-9.1
32 Stone, Clay, and Glass Total	11,270	11,550	280	2.5
322 Glass and Glassware, Pressed or Blown	1,190	1,270	80	6.7
323 Products of Purchased Glass	110	100	-10	-9.1
324 Cement, Hydraulic	830	740	-90	-10.8
325 Structural Clay Products	1,620	1,320	-300	-18.5
326 Pottery and Related Products	250	230	-20	-8.0

Missouri

Industry Employment

Industry Code Title	Employment		Change 2000-2008	
	2000 Estimated	2008 Projected	Number	Percent
327 Concrete, Gypsum, And Plaster Products	6,190	6,740	550	8.9
329 Miscellaneous Nonmetallic Mineral Products	890	950	60	6.7
33 Primary Metal Industries	12,960	13,850	890	6.9
331 Blast Furnace and Basic Steel Products.....	2,360	2,520	160	6.8
332 Iron and Steel Foundries.....	1,180	1,000	-180	-15.3
333 Primary Nonferrous Metals	1,780	1,700	-80	-4.5
334 Secondary Nonferrous Metals.....	660	670	10	1.5
335 Nonferrous Rolling And Drawing.....	2,040	2,170	130	6.4
336 Nonferrous Foundries (castings).....	4,610	5,440	830	18.0
339 Miscellaneous Primary Metal Products	330	350	20	6.1
34 Fabricated Metal Products	36,580	37,590	1,010	2.8
341 Metal Cans and Shipping Containers	1,120	950	-170	-15.2
342 Cutlery, Handtools, and Hardware	1,250	1,070	-180	-14.4
343 Plumbing and Heating, Except Electrical	480	480	0	0.0
344 Fabricated Structural Metal Products.....	11,830	12,750	920	7.8
345 Screw Machine Products, Bolts, Nuts.....	1,560	1,610	50	3.2
346 Metal Forgings and Stampings	4,070	4,350	280	6.9
347 Metal Services, NEC	4,560	5,210	650	14.3
348 Ordnance and Access., NEC	4,470	3,730	-740	-16.6
349 Miscellaneous Fabricated Metal Products	7,240	7,440	200	2.8
35 Industrial Machinery and Equipment.....	39,790	40,720	930	2.3
351 Engines and Turbines	2,260	2,600	340	15.0
352 Farm and Garden Machinery	1,550	880	-670	-43.2
353 Construction and Related Machinery.....	3,160	3,000	-160	-5.1
354 Metalworking Machinery	7,800	8,190	390	5.0
355 Special Industry Machinery	2,930	3,130	200	6.8
356 General Industrial Machinery	6,320	6,410	90	1.4
357 Computer and Office Equipment.....	310	200	-110	-35.5
358 Refrigeration and Service Machinery.....	10,420	11,120	700	6.7
359 Industrial Machinery, NEC	5,040	5,190	150	3.0
36 Electronic and Electrical Equipment	32,610	31,540	-1,070	-3.3
361 Electric Distribution Equipment	2,900	2,780	-120	-4.1
362 Electrical Industrial Apparatus.....	7,600	7,130	-470	-6.2
363 Household Appliances	3,380	3,220	-160	-4.7
364 Electric Lighting and Wiring Equipment	4,650	4,960	310	6.7
365 Household Audio and Video Equipment	300	200	-100	-33.3
366 Communications Equipment	1,910	1,750	-160	-8.4
367 Electronic Components and Accessories	7,880	7,540	-340	-4.3
369 Miscellaneous Electrical Equipment and Supplies.....	3,990	3,960	-30	-0.8
37 Transportation Equipment.....	62,900	54,670	-8,230	-13.1
371 Motor Vehicles and Equipment	33,250	31,590	-1,660	-5.0
372 Aircraft And Parts	23,970	17,500	-6,470	-27.0
373 Ship and Boat Building and Repairing	2,690	2,990	300	11.2
374 Railroad Equipment.....	850	800	-50	-5.9
376 Guided Missiles, Space Vehicles, Parts	220	230	10	4.5
379 Miscellaneous Transportation Equipment.....	950	1,160	210	22.1
38 Instruments and Related Products.....	8,320	7,510	-810	-9.7
381 Search and Navigation Equipment	1,010	890	-120	-11.9
382 Measuring and Controlling Devices	2,770	2,740	-30	-1.1
384 Medical Instruments and Supplies	4,120	3,450	-670	-16.3

Missouri

Industry Employment

Industry Code Title	Employment		Change 2000-2008	
	2000 Estimated	2008 Projected	Number	Percent
385 Ophthalmic Goods	280	290	10	3.6
386 Photographic Equipment and Supplies	140	140	0	0.0
39 Miscellaneous Manufacturing Industries	7,990	8,190	200	2.5
391 Jewelry, Silverware, and Plated Ware	130	140	10	7.7
394 Toys and Sporting Goods	3,330	3,550	220	6.6
395 Pens, Pencils, Office and Art Supplies	800	830	30	3.8
399 Miscellaneous Manufacturers	3,470	3,410	-60	-1.7
Non-durable Goods Manufacturing	178,700	175,810	-2,890	-1.6
20 Food and Kindred Products	51,070	53,290	2,220	4.3
201 Meat Products	16,230	18,710	2,480	15.3
202 Dairy Products	5,440	5,450	10	0.2
203 Preserved Fruits and Vegetables	3,270	3,450	180	5.5
204 Grain Mill Products	7,160	6,600	-560	-7.8
205 Bakery Products	3,820	3,640	-180	-4.7
206 Sugar and Confectionery Products	1,500	1,250	-250	-16.7
207 Fats and Oils	940	1,000	60	6.4
208 Beverages	8,920	9,000	80	0.9
209 Miscellaneous Foods and Kindred Products	3,790	4,190	400	10.6
22 Textile Mill Products	490	360	-130	-26.5
226 Textile Finishing, Except Wool	120	90	-30	-25.0
229 Miscellaneous Textile Goods	180	130	-50	-27.8
23 Apparel and Textile Products	16,610	12,130	-4,480	-27.0
231 Men's and Boy's Suits And Coats	850	650	-200	-23.5
232 Men's and Boy's Furnishings	6,980	3,670	-3,310	-47.4
233 Women's and Misses' Outerwear	420	100	-320	-76.2
234 Women's and Children's Undergarments	260	150	-110	-42.3
235 Hats, Caps, and Millinery	2,810	2,400	-410	-14.6
236 Girl's and Children's Outerwear	290	200	-90	-31.0
238 Miscellaneous Apparel and Accessories	600	460	-140	-23.3
239 Miscellaneous Fabricated Textile Products	4,400	4,500	100	2.3
26 Paper and Allied Products	13,470	13,640	170	1.3
265 Paperboard Container and Boxes	6,310	6,030	-280	-4.4
267 Miscellaneous Converted Paper Products	7,030	7,510	480	6.8
27 Printing and Publishing	42,880	42,250	-630	-1.5
271 Newspapers	9,360	9,640	280	3.0
272 Periodicals	920	990	70	7.6
273 Books	4,960	4,750	-210	-4.2
274 Miscellaneous Publishing	2,020	1,900	-120	-5.9
275 Commercial Printing	13,950	13,960	10	0.1
276 Manifold Business Forms	730	670	-60	-8.2
278 Blankbooks and Bookbinding	2,150	2,150	0	0.0
28 Chemicals and Allied Products	27,450	25,470	-1,980	-7.2
281 Industrial Inorganic Chemicals	950	830	-120	-12.6
282 Plastics Materials and Synthetics	810	860	50	6.2
283 Drugs	7,570	7,000	-570	-7.5
284 Soap, Cleaners, and Toilet Goods	4,100	3,800	-300	-7.3
285 Paints and Allied Products	1,460	1,260	-200	-13.7
286 Industrial Organic Chemicals	6,730	6,150	-580	-8.6
287 Agricultural Chemicals	3,300	3,070	-230	-7.0

Missouri

Industry Employment

Industry Code Title	Employment		Change	
	2000 Estimated	2008 Projected	2000-2008 Number	Percent
289 Miscellaneous Chemical Products	2,530	2,500	-30	-1.2
29 Petroleum and Coal Products	1,850	1,960	110	5.9
295 Asphalt Paving and Roofing Materials	1,390	1,480	90	6.5
299 Miscellaneous Petroleum And Coal Products	460	480	20	4.3
30 Rubber and Miscellaneous Plastics Products	20,360	23,250	2,890	14.2
306 Fabricated Rubber Products, NEC.....	2,390	2,560	170	7.1
308 Miscellaneous Plastics Products, NEC	15,330	17,910	2,580	16.8
31 Leather and Leather Products.....	4,510	3,450	-1,060	-23.5
311 Leather Tanning and Finishing.....	420	450	30	7.1
313 Footwear Cut Stock.....	330	250	-80	-24.2
314 Footwear, Except Rubber	2,880	1,920	-960	-33.3
315 Leather Gloves And Mittens	290	250	-40	-13.8
316 Luggage	130	170	40	30.8
317 Handbags and Personal Leather Goods.....	330	280	-50	-15.2
319 Leather Goods, NEC	130	130	0	0.0
Transportation, Communications, and Utilities	168,450	181,990	13,540	8.0
40 Railroad Transportation.....	6,700	6,200	-500	-7.5
41 Local and Interurban Transit	10,120	11,540	1,420	14.0
411 Local and Suburban Transportation.....	3,080	3,890	810	26.3
412 Taxicabs	640	680	40	6.3
413 Intercity and Rural Bus Transportation	400	430	30	7.5
414 Bus Charter Service	290	440	150	51.7
415 School Buses	5,710	6,100	390	6.8
42 Trucking and Warehousing	52,310	57,320	5,010	9.6
421 Trucking and Courier Services, exc. Air.....	49,190	53,500	4,310	8.8
422 Public Warehousing And Storage	3,050	3,670	620	20.3
44 Water Transportation	1,950	2,060	110	5.6
448 Water Transportation of Passengers	380	380	0	0.0
449 Water Transportation Services.....	1,230	1,320	90	7.3
45 Transportation by Air	25,220	25,890	670	2.7
451 Air Transportation, Scheduled.....	22,980	23,590	610	2.7
452 Air Transportation, Nonscheduled.....	490	500	10	2.0
458 Airports, Flying Fields, and Services.....	1,750	1,800	50	2.9
46 Pipe Lines, except Natural Gas.....	160	170	10	6.3
47 Transportation Services	9,760	11,470	1,710	17.5
472 Passenger Transportation Arrangement.....	5,550	6,190	640	11.5
473 Freight Transportation Arrangement.....	2,760	3,680	920	33.3
474 Rental of Railroad Cars	270	270	0	0.0
478 Miscellaneous Transportation Services	1,180	1,330	150	12.7
48 Communications.....	42,340	47,490	5,150	12.2
481 Telephone Communications	33,580	37,670	4,090	12.2
483 Radio and Television Broadcasting	5,730	6,030	300	5.2
484 Cable and Other Pay TV Services	2,990	3,750	760	25.4
49 Utilities and Sanitary Services.....	19,890	19,850	-40	-0.2
491 Electric Services.....	10,440	10,000	-440	-4.2
492 Gas Production and Distribution	3,450	3,300	-150	-4.3
493 Combination Utility Services	1,880	1,780	-100	-5.3
494 Water Supply.....	1,080	1,160	80	7.4
495 Sanitary Services	2,950	3,530	580	19.7

Missouri

Industry Employment

Industry Code Title	Employment		Change	
	2000 Estimated	2008 Projected	2000-2008 Number Percent	
Trade.....	632,710	693,580	60,870	9.6
Wholesale Trade.....	151,790	161,240	9,450	6.2
50 Wholesale Trade, Durable Goods.....	87,020	91,670	4,650	5.3
501 Motor Vehicles, Parts and Supplies	14,570	15,320	750	5.1
502 Furniture and Home Furnishings.....	2,850	3,490	640	22.5
503 Lumber and Construction Materials	5,470	6,580	1,110	20.3
504 Professional and Commercial Equipment.....	17,210	18,380	1,170	6.8
505 Metals and Minerals, Except Petroleum	3,450	3,620	170	4.9
506 Electrical Goods	10,040	10,380	340	3.4
507 Hardware, Plumbing, and Heating Equipment.....	7,000	7,180	180	2.6
508 Machinery, Equipment, and Supplies	20,050	20,620	570	2.8
509 Miscellaneous Durable Goods	6,380	6,100	-280	-4.4
51 Wholesale Trade, Nondurable Goods.....	64,770	69,570	4,800	7.4
511 Paper and Paper Products.....	7,980	9,450	1,470	18.4
512 Drugs, Proprietarys, and Sundries	5,050	6,260	1,210	24.0
513 Apparel, Piece Goods, and Notions	2,480	2,240	-240	-9.7
514 Groceries and Related Products.....	18,730	19,970	1,240	6.6
515 Farm-product Raw Materials	4,320	3,860	-460	-10.6
516 Chemicals and Allied Products	3,550	3,620	70	2.0
517 Petroleum and Petroleum Products	4,130	3,960	-170	-4.1
518 Beer, Wine, and Distilled Beverages	3,060	3,040	-20	-0.7
519 Miscellaneous Nondurable Goods	15,470	17,170	1,700	11.0
Retail Trade.....	480,920	532,340	51,420	10.7
52 Bldg. Materials and Garden Supplies	21,050	23,660	2,610	12.4
521 Lumber and Other Building Materials	13,410	15,090	1,680	12.5
523 Paint, Glass, and Wallpaper Stores	1,430	1,450	20	1.4
525 Hardware Stores	2,740	2,760	20	0.7
526 Retail Nurseries and Garden Stores	2,160	2,600	440	20.4
527 Mobile Home Dealers.....	1,310	1,760	450	34.4
53 General Merchandise Stores	66,880	74,900	8,020	12.0
531 Department Stores	60,290	67,170	6,880	11.4
533 Variety Stores.....	1,830	2,100	270	14.8
539 Miscellaneous General Merchandise Stores	4,760	5,630	870	18.3
54 Food Stores.....	63,690	67,380	3,690	5.8
541 Grocery Stores.....	56,420	59,310	2,890	5.1
542 Meat and Fish Markets.....	810	920	110	13.6
543 Fruit and Vegetable Markets	110	110	0	0.0
544 Candy, Nut, and Confectionery Stores	800	800	0	0.0
545 Dairy Products Stores	150	110	-40	-26.7
546 Retail Bakeries	4,350	4,610	260	6.0
549 Miscellaneous Food Stores.....	1,050	1,520	470	44.8
55 Auto Dealers and Service Stations	61,560	67,550	5,990	9.7
551 New and Used Car Dealers	22,840	24,390	1,550	6.8
552 Used Car Dealers.....	2,740	3,340	600	21.9
553 Auto and Home Supply Stores.....	10,000	11,860	1,860	18.6
554 Gasoline Service Stations	23,560	24,980	1,420	6.0
555 Boat Dealers.....	950	1,100	150	15.8
556 Recreational Vehicle Dealers.....	570	740	170	29.8
557 Motorcycle Dealers	780	1,000	220	28.2

Missouri

Industry Employment

Industry Code Title	Employment		Change 2000-2008	
	2000 Estimated	2008 Projected	Number	Percent
559 Automotive Dealers, NEC	120	140	20	16.7
56 Apparel and Accessories Stores	20,110	19,140	-970	-4.8
561 Men's and Boy's Clothing Stores	1,810	1,910	100	5.5
562 Women's Clothing Stores	4,310	3,500	-810	-18.8
563 Women's Accessory and Specialty Stores	750	720	-30	-4.0
564 Children's, Infant's Wear Stores	500	590	90	18.0
565 Family Clothing Stores	5,820	6,400	580	10.0
566 Shoe Stores	5,150	4,130	-1,020	-19.8
569 Miscellaneous Apparel and Accessory Stores	1,770	1,890	120	6.8
57 Furniture and Homefurnishings Stores	19,450	22,570	3,120	16.0
571 Furniture and Homefurnishings Stores	10,330	12,320	1,990	19.3
572 Household Appliance Stores	1,490	1,260	-230	-15.4
573 Radio, Television, and Computer Stores	7,630	8,990	1,360	17.8
58 Eating and Drinking Places	175,200	197,380	22,180	12.7
59 Miscellaneous Retail Stores	52,980	59,760	6,780	12.8
591 Drug Stores and Proprietary Stores	10,400	11,030	630	6.1
592 Liquor Stores	1,810	1,670	-140	-7.7
593 Used Merchandise Stores	2,940	3,730	790	26.9
594 Miscellaneous Shopping Goods Stores	19,440	22,780	3,340	17.2
596 Nonstore Retailers	6,510	7,130	620	9.5
598 Fuel Dealers	1,630	1,420	-210	-12.9
599 Retail Stores, NEC	10,250	12,000	1,750	17.1
Finance, Insurance and Real Estate	161,940	180,310	18,370	11.3
60 Depository Institutions	48,280	48,520	240	0.5
602 Commercial Banks	38,960	39,160	200	0.5
603 Saving Institutions	3,090	1,850	-1,240	-40.1
606 Credit Unions	2,600	3,310	710	27.3
61 Nondepository Institutions	13,180	16,610	3,430	26.0
611 Federal and Fed-sponsored Credit	290	320	30	10.3
614 Personal Credit Institutions	2,520	3,100	580	23.0
615 Business Credit Institutions	3,140	4,150	1,010	32.2
616 Mortgage Bankers and Brokers	7,230	9,040	1,810	25.0
62 Security and Commodity Brokers and Services	18,320	24,870	6,550	35.8
621 Security Brokers and Dealers	12,590	15,970	3,380	26.8
628 Security and Commodity Services	5,480	8,600	3,120	56.9
63 Insurance Carriers	34,460	36,600	2,140	6.2
631 Life Insurance	9,250	9,350	100	1.1
632 Medical Service and Health Insurance	8,060	8,600	540	6.7
633 Fire, Marine, and Casualty Insurance	13,680	14,610	930	6.8
636 Title Insurance	2,170	2,540	370	17.1
637 Pension, Health, and Welfare Funds	910	1,030	120	13.2
64 Insurance Agents, Brokers, and Services	15,150	16,290	1,140	7.5
65 Real Estate	27,820	32,290	4,470	16.1
651 Real Estate Operators and Lessors	13,520	15,250	1,730	12.8
653 Real Estate Agents and Managers	11,870	14,510	2,640	22.2
654 Title Abstract Offices	1,170	1,400	230	19.7
655 Subdividers and Developers	1,260	1,130	-130	-10.3
67 Holding and Other Investment Offices	4,730	5,130	400	8.5
671 Holding Offices	1,640	1,750	110	6.7

Missouri

Industry Employment

Industry Code Title	Employment		Change 2000-2008	
	2000 Estimated	2008 Projected	Number	Percent
673 Trusts	2,160	2,300	140	6.5
Services.....	969,120	1,154,480	185,360	19.1
07 Agricultural Services	13,510	17,360	3,850	28.5
074 Veterinarian Services	4,160	5,170	1,010	24.3
075 Animal Services exc Veterinarian	1,620	2,070	450	27.8
078 Landscaping	7,730	10,120	2,390	30.9
70 Hotels and Other Lodging Places	33,300	36,440	3,140	9.4
701 Hotels and Motels	32,040	35,100	3,060	9.6
703 Camps and Recreational Vehicle Parks	920	990	70	7.6
72 Personal Services	26,850	28,610	1,760	6.6
721 Laundry, Cleaning, and Garment Services	9,750	10,290	540	5.5
722 Photographic Studios, Portrait	1,470	1,620	150	10.2
723 Beauty Shops	7,780	7,800	20	0.3
724 Barber Shops	170	140	-30	-17.6
725 Shoe Repair and Shoe Shine Parlors	100	70	-30	-30.0
726 Funeral Service and Crematories	3,010	3,440	430	14.3
729 Miscellaneous Personal Services	4,570	5,250	680	14.9
73 Business Services	148,310	196,880	48,570	32.7
731 Advertising	5,380	6,190	810	15.1
732 Credit Reporting and Collection	5,060	5,620	560	11.1
733 Mailing, Reproduction, and Steno. Services	6,860	7,320	460	6.7
734 Services to Buildings	19,830	24,310	4,480	22.6
735 Miscellaneous Equipment Rental and Leasing	4,650	5,880	1,230	26.5
736 Personnel Supply Services	50,760	72,650	21,890	43.1
737 Computer and Data Processing Services	24,310	36,400	12,090	49.7
738 Miscellaneous Business Services	31,460	38,510	7,050	22.4
75 Auto Repair Services and Parking	25,980	31,050	5,070	19.5
751 Automotive Rentals, No Drivers	5,750	7,190	1,440	25.0
752 Automobile Parking	1,570	1,690	120	7.6
753 Automobile Repair Shops	14,160	16,650	2,490	17.6
754 Automobile Services, Except Repair	4,500	5,520	1,020	22.7
76 Miscellaneous Repair Services	7,020	7,460	440	6.3
762 Electrical Repair Shops	2,190	2,330	140	6.4
763 Watch, Clock, and Jewelry Repair	100	110	10	10.0
764 Reupholstery and Furniture Repair	520	550	30	5.8
769 Miscellaneous Repair Shops	4,210	4,470	260	6.2
78 Motion Pictures	8,280	8,480	200	2.4
781 Motion Picture Production and Services	1,340	1,390	50	3.7
782 Motion Picture Distribution and Services	390	300	-90	-23.1
783 Motion Picture Theaters	3,460	3,590	130	3.8
784 Video Tape Rental	3,090	3,200	110	3.6
79 Amusement and Recreation Services	41,570	49,210	7,640	18.4
791 Dance Studios, Schools, and Halls	730	770	40	5.5
792 Producers, Orchestras, Entertainers	5,060	5,100	40	0.8
793 Bowling Centers	2,210	2,200	-10	-0.5
794 Commercial Sports	2,020	2,140	120	5.9
799 Miscellaneous Amusement and Recreation Services	31,550	39,000	7,450	23.6
80 Health Services	254,430	295,240	40,810	16.0
801 Offices and Clinics Of Medical Doctors	32,540	41,360	8,820	27.1

Missouri

Industry Employment

Industry Code Title	Employment		Change 2000-2008	
	2000 Estimated	2008 Projected	Number	Percent
802 Offices and Clinics Of Dentists.....	11,200	13,630	2,430	21.7
803 Offices of Osteopathic Physicians.....	2,830	3,110	280	9.9
804 Offices of Other Health Practitioners	8,820	11,440	2,620	29.7
805 Nursing and Personal Care Facilities.....	48,270	56,010	7,740	16.0
806 Hospitals.....	124,660	137,000	12,340	9.9
807 Medical and Dental Laboratories	3,900	4,340	440	11.3
808 Home Health Care Services.....	13,280	16,350	3,070	23.1
809 Health and Allied Services, NEC.....	8,930	12,000	3,070	34.4
81 Legal Services.....	17,080	21,080	4,000	23.4
82 Educational Services.....	233,060	268,700	35,640	15.3
83 Social Services.....	56,920	74,810	17,890	31.4
832 Individual and Family Services.....	15,350	21,190	5,840	38.0
833 Job Training and Related Services	10,140	11,170	1,030	10.2
835 Child Day Care Services	13,020	17,230	4,210	32.3
836 Residential Care.....	16,070	22,360	6,290	39.1
839 Social Services, NEC	2,340	2,860	520	22.2
84 Museums, Botanical and Zoological Garden	1,440	1,730	290	20.1
841 Museums and Art Galleries.....	930	1,130	200	21.5
842 Botanical and Zoological Gardens	510	600	90	17.6
86 Membership Organizations	54,630	59,710	5,080	9.3
861 Business Associations	2,550	2,540	-10	-0.4
862 Professional Organizations	960	960	0	0.0
863 Labor Organizations	4,020	4,060	40	1.0
864 Civic and Social Associations	8,940	9,820	880	9.8
865 Political Organizations.....	120	120	0	0.0
866 Religious Organizations	36,460	40,450	3,990	10.9
869 Membership Organizations, NEC.....	1,580	1,760	180	11.4
87 Engineering and Management Services	45,840	56,750	10,910	23.8
871 Engineering and Architectural Services	16,650	20,340	3,690	22.2
872 Accounting, Auditing, and Bookkeeping	11,880	13,830	1,950	16.4
873 Research And Testing Services.....	5,060	7,090	2,030	40.1
874 Management and Public Relations	12,250	15,490	3,240	26.4
89 Services, NEC	900	970	70	7.8
Government, exc Schools and Hospitals	202,840	217,750	14,910	7.4
43 U.S. Postal Service	21,740	22,570	830	3.8
91 Federal Government, exc Postal Service	35,190	32,010	-3,180	-9.0
92 State Government, exc Schools and Hospitals.....	54,340	58,030	3,690	6.8
93 Local Government, exc Schools and Hospitals	91,570	105,140	13,570	14.8

Detailed industry data may not sum to totals because of suppression.

NEC: not elsewhere classified

Total occupational employment in Missouri is expected to increase to over 308,000 by 2008. In general, jobs will be available to workers of all educational levels, but advanced education and training will continue to be critical for success in the Missouri workplace. To increase the usefulness of this *Outlook*, each occupation is described by a category that summarizes the type of education and training generally required for that job, ranging from short-term on-the-job training to education at the doctoral or professional degree level. In general, the fastest-growing jobs are those requiring an associate's degree or higher level of education (see chart 4). Also, workers with higher levels of education and training usually have better prospects for higher earnings. Nonetheless, there will be large numbers of new jobs and many job openings in occupations that require less education and experience.

During the 1998-2008 period, job openings in Missouri are projected to average about 98,000 per year. But only 32 percent of these openings will come from employment growth. The remaining 68 percent are expected to stem from replacement needs. These replacement openings occur when workers change occupations, retire or leave the labor force for other reasons. Replacement openings will provide job opportunities even in occupations that are not expected to grow.

Major Occupational Groups	
Executives, Administrators, & Managers	
Professional, Paraprofessional, & Technical	
Administrative Support and Clerical	
Marketing and Sales	
Service Occupations	
Agricultural Services and Forestry	
Precision Production, Craft, and Repair	
Operators, Fabricators, and Laborers	

Chart 4
Employment by Education and Training Categories
Percent Change 1998-2008

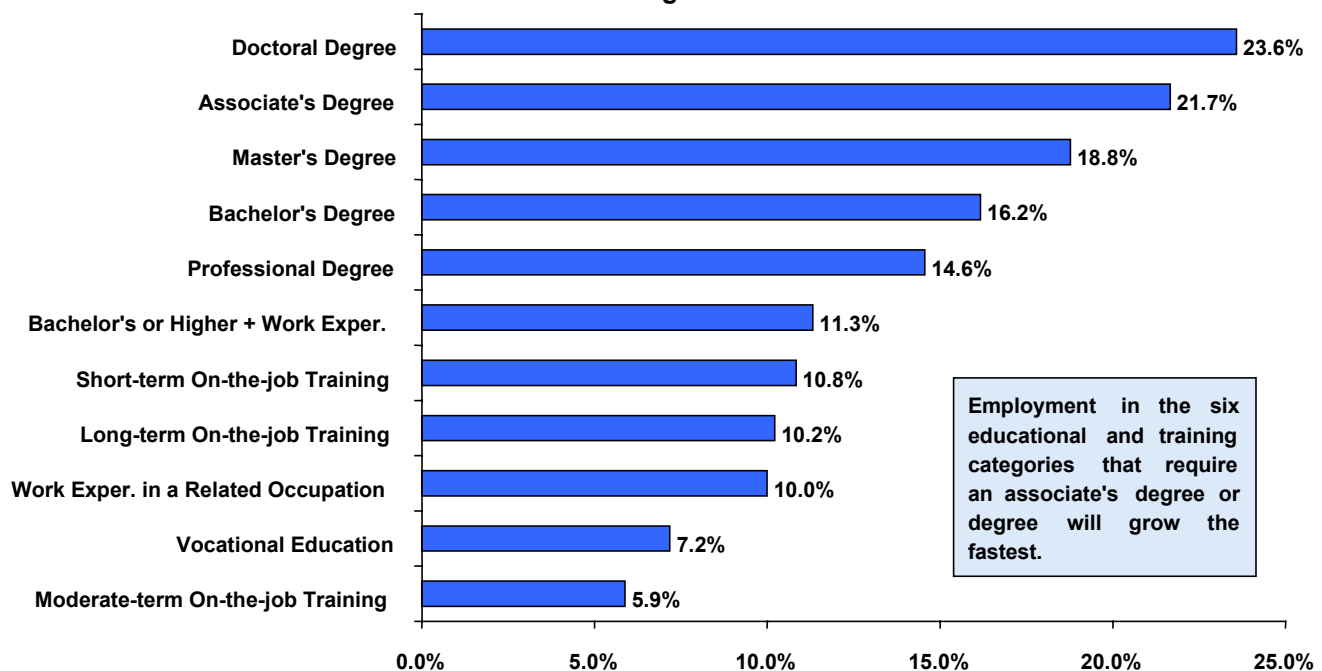
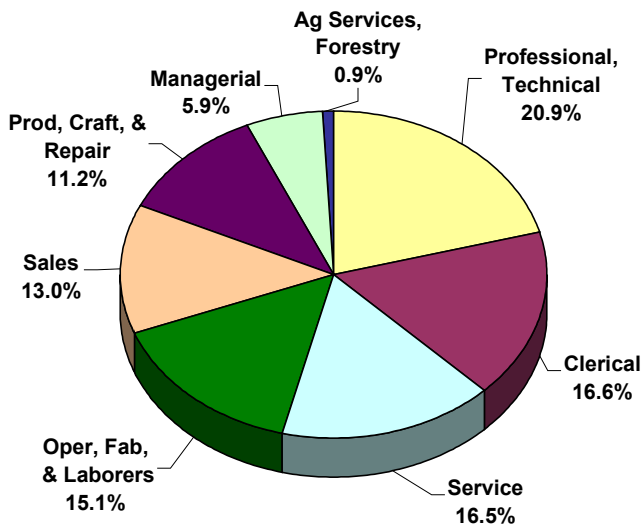
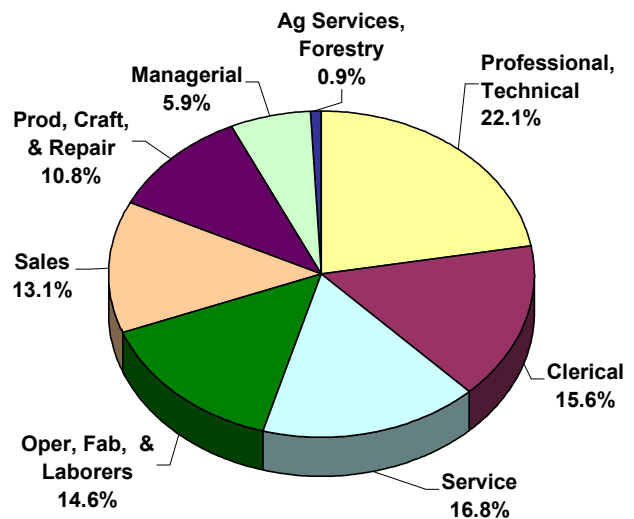


Chart 5
Employment Distribution by Major Occupational Groups

Base Year 1998



Projected Year 2008



The ongoing shift to more professional and technical occupations will continue, as 33 percent of the total growth will occur in the professional, paraprofessional, and technical occupational group. This group is expected to add over 102,000 new jobs by 2008. The group's share of total employment is projected to increase from 20.9 percent in 1998 to 22.1 percent in 2008 (see chart 5). And the group's annual average total openings (22,020) will be the largest among the major groups (see chart 6).

Service occupations should provide the second largest number of new jobs – 60,690. Service occupations should also provide the second greatest number of annual average total openings (20,920). Over 70 percent of these openings are projected to come from replacement needs. The professional group and the service group, which generally have very different educational requirements, are projected to provide 53 percent of the total job growth and 44 percent of the total job openings.

The marketing and sales group is expected to add over 44,000 new jobs by 2008. Job openings for this group are expected to average 14,410 per year. Almost 70 percent of these openings are expected to come from replacement needs.

The smallest group, agricultural services and forestry occupations does not represent all agricultural occupations. It only includes occupations found in agricultural services (veterinary and animal services and landscape and horticultural services) and non-farm industries such as lumber and wood products manufacturing. Its numerical change of 4,900 is only 1.6 percent of total growth.

The second smallest occupational group, executives, administrative and managerial occupations, is expected to increase 11.3 percent by 2008. Job openings for this group are expected to average 4,880 per year. Just over 60 percent of these openings are expected to come from replacement needs.

The lower number of job openings for the remaining groups reflect in part technological changes that will lessen the demand for some of these occupations. Office automation will continue to have a major effect on many occupations in the administrative support and clerical group. The decrease projected for manufacturing employment is also expected to contribute to the slow growth rate in production, repair, and craft occupations and in the operators, fabricators, and laborers occupations.

Executives, Administrators, & Managers

The managerial group is expected to gain almost 19,000 new jobs by 2008. Growth in the services industries, especially business services, health services, educational services, social services and engineering and management services, is the source for much of the growth predicted for managerial occupations. The predicted growth in retail trade and the finance, insurance, and real estate industry will also contribute to the growth of these occupations.

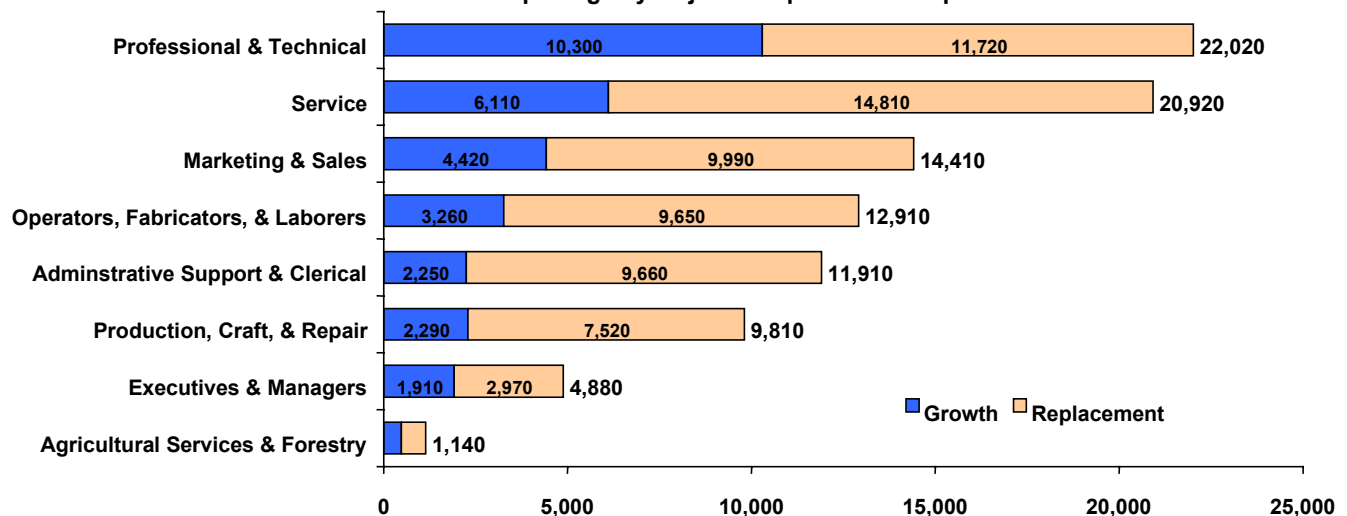
The largest increase is expected in general managers and top executives (5,510). Other large increases are projected for engineering,

math, computer and natural science managers (1,600), medical and health service managers (1,520), advertising, marketing, and public relations managers (1,340), and financial managers (1,250). The highest annual job openings are expected to occur in general managers (1,400), managers and administrators, not elsewhere classified (570), educational administrators (360), and financial managers (350). Most of the job openings in this group are in occupations requiring a college degree plus work experience in a related non-managerial occupation. (See Table 1 and Appendix B for more discussion on the education and training needs of various occupations.)

Professional, Paraprofessional, & Technical

The professional specialty occupations are expected to increase 17.4 percent by 2008. Almost half of the growth for these occupations is expected to occur in the educational and health services industries. Other industries that will be a source of growth for these occupations are finance, insurance and real estate, business services, social services, engineering and

Chart 6
Annual Job Openings by Major Occupational Group



management services, and government.

Computer related occupations are the fastest growing occupations in this group. The catchall occupation - computer scientists, not elsewhere classified - is predicted to grow the fastest at 82.1 percent. Other fast growing computer related occupations include computer engineers (73.9%), computer support specialists (67.8%), and systems analysts (63.3%). The fast growing system analysts and computer support specialists occupations are also projected to undergo some of the largest growth in this group. Employment in the systems analysts occupation is expected to increase over 6,500 by 2008. Computer support specialists employment is expected to increase by almost 5,500.

The largest employment increase in this group is expected for registered nurses (7,860). Large increases are also projected for elementary teachers (3,870), secondary school teachers (6,590), social service assistants (3,540), and teacher aides, paraprofessional (4,540). The highest number of annual job openings are expected to occur in these seven occupations as well.

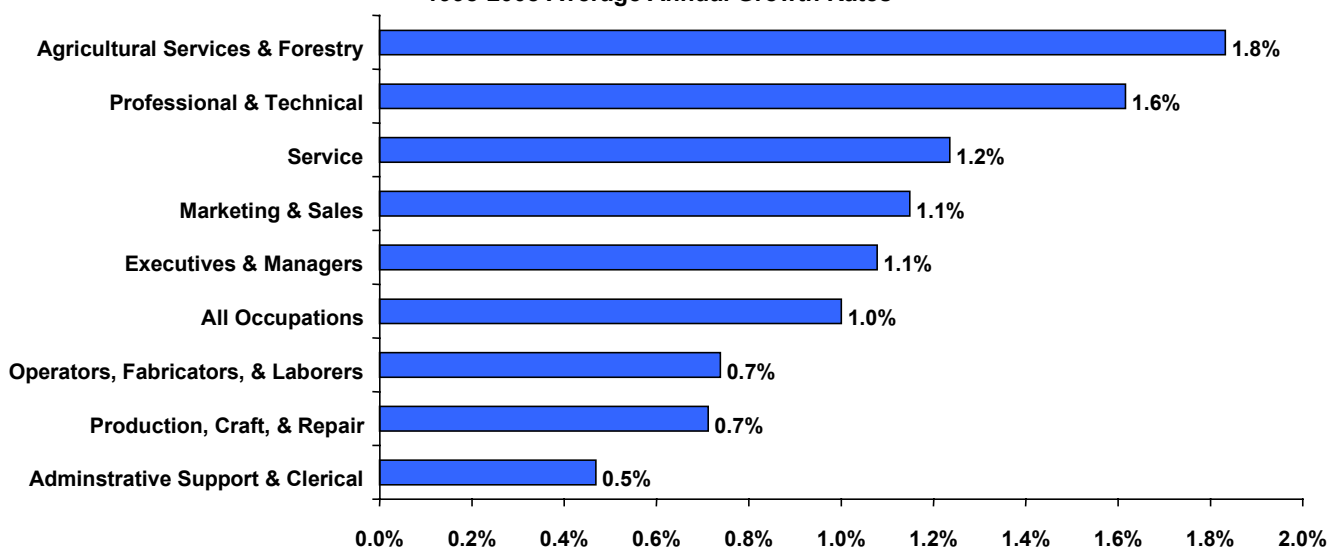
Although most of the occupations in this group require college degrees, some of the paraprofessional and technical occupations are attainable through employment and training programs or specialized post-secondary education.

Marketing and Sales

Marketing and sales occupations are expected to increase 12.1 percent by 2008. Substantial growth for this group is expected to occur in retail trade, finance, insurance and real estate, business services, and amusement and recreational services.

About 63 percent of this group's total growth is expected to occur in three occupations - retail salespersons (10,460), cashiers (9,840), and marketing and sales supervisors (7,540). Over 64 percent of the group's average annual openings will also occur in these three occupations. Most of the openings for these occupations will come from replacement needs rather than growth. Most of the job openings in this group are in occupations requiring moderate or short-term on-the-job training.

Chart 7
1998-2008 Average Annual Growth Rates



Clerical and Administrative Support

The number of jobs in clerical and administrative support occupations is projected to increase by 22,320, just 4.8 percent, from 1998 to 2008. As a result of this slow growth, the group's share of total employment will fall from 16.6 percent in 1998 to 15.6 percent in 2008. The growth that is projected for this group will occur mainly in finance, insurance and real estate, business services, health services, educational services, and engineering and management services.

Several clerical occupations are expected to expand during the period, including general office clerks (7,320), office supervisors (4,710), and receptionists (4,150). But projected losses in other occupations will partially offset this growth. Most of the job openings for occupations in this group will come from replacement needs rather than growth. And most of the job openings are in occupations requiring short-term on-the-job training.

Service Occupations

Service occupations are expected to increase 13.1 percent by 2008. Substantial growth for this group is expected in retail trade, business services, health services, social services, and local government.

The largest growth is expected to occur in nursing aides and orderlies (6,850). Other large increases are projected for waiters and waitresses (4,400) and child care workers (3,880). The highest number of job openings is expected to occur in the food and beverage preparation occupations of waiters and waitresses (2,890) and fast food service workers (2,610). Because of the high turnover rate for these occupations most of the openings will be due to replacement needs. Most of the job openings in the service occupational group are in occupations that require short-term on-the-job training.

Agricultural Services

Data for this occupational group include only workers in the agricultural services industry (veterinary and animal services and horticultural and landscaping services) and non-agricultural industries such as lumber and wood products manufacturing. Most agricultural workers are in crop and livestock farming, for which no projections are included in this report. Projections were also not made for the forestry, fishing, hunting and trapping industries.

Agricultural services occupations are expected to increase 19.9 percent by 2008. Most of the employment, growth and job openings will occur in one occupation – landscaping and groundskeeping laborers.

Production, Craft and Repair

Production, craft and repair occupations are expected to add over 23,000 jobs from 1998 to 2008. This translates into a 7.4 percent increase, which is lower than the average for all occupations. Growth for this group is expected to occur in construction, retail trade, business services, and auto repair services.

Most of the growth is expected to occur in the craft and repair occupations, particularly in carpenters (2,250) and automotive mechanics (2,210). Other large increases are expected to occur in construction supervisors (1,820), maintenance repairers, general utility (1,400), and electricians (1,380). Growth in precision production occupations will be limited because of the decreases projected for many manufacturing industries.

Although the overall growth for this group is lower than average, a significant number of openings will occur due to replacement needs. Nearly 60 percent of the job openings in this group will occur in occupations requiring vocational education or long-term on-the-job training (which can include formal classroom

training). Many of the jobs in this group have traditionally been well suited to employment and training programs. The highest annual job openings are expected to occur in carpenters (910), maintenance repairers, general utility (690), automotive mechanics (670), mechanics and repair supervisors (490), and construction supervisors (480).

Operators, Fabricators and Laborers

The number of operators, fabricators and laborers is expected to increase by over 32,000 jobs, or 7.6 percent, from 1998 to 2008. Most of the growth for these occupations will occur in transportation, wholesale trade, and business

services.

The largest increases are expected to occur in heavy truck drivers (6,800), light truck drivers (4,390), and hand packers and packagers (3,450). Although this occupational group will experience slow growth, a substantial number of openings due to replacement needs will occur. The highest annual job openings are expected for heavy truck drivers (1,290), helpers/laborers, not elsewhere classified (840), light truck drivers (810), and hand packers and packagers (810). Most of the job openings in this group are in occupations that require moderate or short-term on-the-job training.

Table 1
Occupational Group Employment by Education and Training Categories

Occupational Group Education and Training Category	Employment		Change 1998-2008		Annual Average Openings
	1998 Estimated	2008 Projected	Number	Percent	
Executives, Administrators, Managers	166,890	185,780	18,890	11.3	4,880
Bachelor's or Higher Degree plus Work Experience	141,960	157,950	15,990	11.3	4,170
Bachelor's Degree	12,610	13,900	1,290	10.2	350
Work Experience in a Related Occupation	12,320	13,930	1,610	13.1	360
Professional, Paraprofessional, and Technical	588,520	690,860	102,340	17.4	22,020
Professional Degree	45,670	52,320	6,650	14.6	1,470
Doctoral Degree	20,200	24,960	4,760	23.6	1,030
Master's Degree	22,320	26,510	4,190	18.8	860
Bachelor's or Higher Degree plus Work Experience	11,940	13,360	1,420	11.9	350
Bachelor's Degree	279,900	326,170	46,270	16.5	10,610
Associate's Degree	100,160	121,610	21,450	21.4	3,860
Vocational Education	39,780	44,110	4,330	10.9	1,300
Work Experience in a Related Occupation	14,710	16,630	1,920	13.1	400
Long-term On-the-job Training	7,290	7,870	580	8.0	220
Moderate-term On-the-job Training	30,660	36,580	5,920	19.3	1,230
Short-term On-the-job Training	15,890	20,740	4,850	30.5	690
Marketing and Sales Occupations	365,250	409,450	44,200	12.1	14,410
Bachelor's Degree	15,500	18,290	2,790	18.0	540
Vocational Education	8,400	9,000	600	7.1	240
Work Experience in a Related Occupation	73,330	81,110	7,780	10.6	1,740
Moderate-term On-the-job Training	83,650	95,490	11,840	14.2	3,360
Short-term On-the-job Training	184,370	205,560	21,190	11.5	8,530
Administrative Support and Clerical	466,430	488,750	22,320	4.8	11,910
Vocational Education	15,970	16,100	130	0.8	280
Work Experience in a Related Occupation	36,910	41,930	5,020	13.6	1,360
Long-term On-the-job Training	4,240	4,890	650	15.3	140
Moderate-term On-the-job Training	133,940	127,350	-6,590	-4.9	2,230
Short-term On-the-job Training	275,370	298,480	23,110	8.4	8,570
Service Occupations	464,430	525,120	60,690	13.1	20,920
Bachelor's Degree	500	570	70	14.0	20
Associate's Degree	2,700	3,530	830	30.7	160
Vocational Education	11,730	11,730	0	0.0	310
Work Experience in a Related Occupation	24,840	29,330	4,490	18.1	1,060
Long-term On-the-job Training	59,720	69,670	9,950	16.7	2,510
Moderate-term On-the-job Training	14,370	18,840	4,470	31.1	760
Short-term On-the-job Training	350,570	391,450	40,880	11.7	16,100
Agricultural Services and Forestry	24,610	29,510	4,900	19.9	1,140
Work Experience in a Related Occupation	800	960	160	20.0	30
Long-term On-the-job Training	170	210	40	23.5	0
Moderate-term On-the-job Training	620	750	130	21.0	20
Short-term On-the-job Training	23,020	27,590	4,570	19.9	1,090
Precision Production, Craft, and Repair	314,050	337,120	23,070	7.4	9,810
Vocational Education	58,150	62,690	4,540	7.8	1,880
Work Experience in a Related Occupation	66,780	69,650	2,870	4.3	2,060
Long-term On-the-job Training	137,540	147,530	9,990	7.3	4,050
Moderate-term On-the-job Training	43,510	48,310	4,800	11.0	1,500
Short-term On-the-job Training	8,070	8,940	870	10.8	320
Operators, Fabricators, and Laborers	424,490	456,880	32,390	7.6	12,910
Bachelor's Degree	2,450	2,320	-130	-5.3	50
Vocational Education	7,610	8,180	570	7.5	250
Work Experience in a Related Occupation	11,100	11,300	200	1.8	320
Long-term On-the-job Training	8,140	9,100	960	11.8	340
Moderate-term On-the-job Training	137,690	143,220	5,530	4.0	3,480
Short-term On-the-job Training	257,500	282,760	25,260	9.8	8,480

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
00000	TOTAL, ALL OCCUPATIONS	2,814,670	3,123,470	308,800	11.0	31,020	66,980 98,000
10000	Exec, Admin, Managerial	166,890	185,780	18,890	11.3	1,910	2,970 4,880
13002	Financial Managers	14,160	15,410	1,250	8.8	130	220 350
13005	Human Resources Managers	5,010	5,680	670	13.4	70	120 190
13008	Purchasing Managers	3,340	3,440	100	3.0	10	80 90
13011	Adver/Marketing/Promo/PR/Sales Mgrs	9,710	11,050	1,340	13.8	130	140 270
13014	Administrative Services Managers	7,470	8,270	800	10.7	80	130 210
13017	Engineer/Nat Sci/Computer/Info Sys Mgrs	5,770	7,370	1,600	27.7	160	100 260
15002	Postmasters/Mail Superintendents	820	850	30	3.7	0	10 10
15005	Education Administrators	9,350	10,540	1,190	12.7	120	240 360
15008	Medical/Health Service Managers	5,770	7,290	1,520	26.3	150	100 250
15011	Property/Real Estate/Comm Assoc Mgrs	3,930	4,690	760	19.3	80	50 130
15014	Industrial Production Managers	4,370	4,240	-130	-3.0	-10	80 80
15017	Construction Managers	4,310	4,970	660	15.3	70	80 150
15021	Mining & Related Managers	120	120	0	0.0	0	0 0
15023	Communication/Transp/Utilities Mgrs	5,280	6,060	780	14.8	80	90 170
15026	Food Service & Lodging Managers	10,060	11,170	1,110	11.0	110	180 290
15031	Nursery & Greenhouse Managers	70	90	20	28.6	0	0 0
15032	Lawn Service Managers	1,250	1,700	450	36.0	50	10 60
19002	Govt Chief Execs & Legislators	1,760	1,830	70	4.0	10	40 50
19005	General Managers & Top Execs	48,740	54,250	5,510	11.3	550	850 1,400
19999	Managers & Administrators, NEC	25,600	26,760	1,160	4.5	120	450 570
20111	Professional/Paraprofess/Technical	588,520	690,860	102,340	17.4	10,300	11,720 22,020
21102	Insurance Underwriters	2,000	2,180	180	9.0	20	60 80
21105	Credit Analysts	680	770	90	13.2	10	20 30
21108	Loan Counselors & Officers	5,120	5,910	790	15.4	80	110 190
21111	Tax Preparers	1,590	1,860	270	17.0	30	40 70
21114	Accountants & Auditors	19,860	21,080	1,220	6.1	120	310 430
21117	Budget Analysts	950	1,000	50	5.3	10	20 30
21199	Financial Specialists, NEC	3,500	4,010	510	14.6	50	80 130
21302	Wholesale/Retail Buyers, Exc Farm	1,930	1,930	0	0.0	0	50 50
21305	Purchasing Agents & Buyers, Farm	420	430	10	2.4	0	10 10
21308	Purchasing Ags, Exc Whlsale/Retail/Farm	3,910	4,060	150	3.8	20	100 120
21502	Claims Takers, Unemployment Benefits	250	220	-30	-12.0	0	10 10
21505	Special Agents, Insurance	760	830	70	9.2	10	20 30
21508	Employment Interviewers	1,130	1,210	80	7.1	10	30 40
21511	Human Res/Train/Labor Relations Specs	8,260	9,260	1,000	12.1	100	220 320
21902	Cost Estimators	3,330	3,610	280	8.4	30	40 70
21905	Management Analysts	3,520	4,340	820	23.3	80	30 110
21908	Construction, Building Inspectors	1,430	1,660	230	16.1	20	40 60
21911	Inspectors & Compliance Officers	3,050	3,350	300	9.8	30	60 90
21914	Tax Examiners/Collectors/Revenue Agts	1,290	1,350	60	4.7	10	30 40
21917	Assessors	440	500	60	13.6	10	10 20
21921	Claims Examiners Prop/Casual Insurance	1,100	1,200	100	9.1	10	20 30
21999	Management Support Workers, NEC	15,480	16,450	970	6.3	100	290 390
22102	Aerospace Engineers	1,130	860	-270	-23.9	-30	20 20
22105	Materials Engineers	290	290	0	0.0	0	10 10
22108	Mining Engineers, Inc Safety	30	30	0	0.0	0	0 0
22114	Chemical Engineers	720	790	70	9.7	10	20 30
22117	Nuclear Engineers	20	20	0	0.0	0	0 0
22121	Civil Engineers	3,770	4,450	680	18.0	70	70 140
22123	Agricultural Engineers	40	50	10	25.0	0	0 0
22126	Electrical & Electronics Engineers	4,540	5,330	790	17.4	80	100 180
22127	Computer Engineers	3,560	6,190	2,630	73.9	260	20 280

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
22128	Industrial Engineers, Exc Safety	2,120	2,150	30	1.4	0	30
22132	Safety Engineers, Exc Mining	400	430	30	7.5	0	10
22135	Mechanical Engineers	3,210	3,650	440	13.7	40	60
22138	Marine Engineers.....	80	90	10	12.5	0	0
22199	Engineers, NEC	5,440	5,690	250	4.6	30	160
22302	Architects, Exc Landscape/Naval	2,100	2,450	350	16.7	40	30
22308	Landscape Architects	390	410	20	5.1	0	10
22311	Surveyors and Mapping Scientists.....	790	760	-30	-3.8	0	20
22502	Civil Engineering Techs/Technologists	1,160	1,360	200	17.2	20	30
22505	Elect & Electronic Techs/Technologists	3,700	4,230	530	14.3	50	80
22508	Industrial Engineering Techs/Technologists	640	660	20	3.1	0	10
22511	Mechanical Engineering Techs/Technols	1,170	1,160	-10	-0.9	0	20
22514	Drafters	5,520	5,990	470	8.5	50	130
22517	Estimators & Drafters, Utilities	80	70	-10	-12.5	0	0
22521	Surveying/Mapping Technicians	1,280	1,470	190	14.8	20	30
22599	Engineering Techs/Technologists, NEC	4,680	4,630	-50	-1.1	-10	120
24105	Chemists	1,660	1,710	50	3.0	10	40
24108	Atmospheric & Space Scientists	160	170	10	6.3	0	0
24111	Geologists/Geophysicists/Oceanographers.....	410	490	80	19.5	10	10
24199	Physical Scientists, NEC	1,130	1,220	90	8.0	10	30
24302	Conservation Scientists/Foresters	640	700	60	9.4	10	20
24305	Agricultural/Food Scientists	180	190	10	5.6	0	10
24308	Biological Scientists	1,110	1,330	220	19.8	20	20
24311	Medical Scientists	130	150	20	15.4	0	0
24399	Life Scientists, NEC	730	820	90	12.3	10	20
24502	Biological/Agric Technicians/Technologists	500	530	30	6.0	0	10
24505	Chemical Techs/Technols, Exc Health	1,680	1,570	-110	-6.6	-10	40
24511	Petroleum Technicians/Technologists	20	20	0	0.0	0	0
24599	Physical/Life Science Technicians, NEC	1,370	1,410	40	2.9	0	30
25102	Systems Analysts	10,370	16,930	6,560	63.3	660	60
25103	Database Administrators	1,780	2,530	750	42.1	80	30
25104	Computer Support Specialists	8,070	13,540	5,470	67.8	550	50
25105	Computer Programmers	12,230	12,260	30	0.3	0	380
25108	Computer Programmer Aides	1,240	1,220	-20	-1.6	0	40
25111	Numerical Tool/Process Control Progmrs	130	140	10	7.7	0	0
25199	Computer Scientists, NEC	1,840	3,350	1,510	82.1	150	10
25302	Operations Research Analysts	1,220	1,080	-140	-11.5	-10	40
25310	Mathematical Scientists	140	120	-20	-14.3	0	0
25312	Statisticians	290	290	0	0.0	0	0
25313	Actuaries	360	370	10	2.8	0	10
25315	Financial Analysts, Statistical	1,020	1,420	400	39.2	40	20
25319	Mathematical Scientists, NEC.....	130	110	-20	-15.4	0	0
25323	Mathematical Technicians	60	60	0	0.0	0	0
27102	Economists	1,100	1,190	90	8.2	10	20
27105	Urban & Regional Planners	260	300	40	15.4	0	10
27108	Psychologists.....	2,290	2,500	210	9.2	20	40
27199	Social Scientists, NEC	620	650	30	4.8	0	10
27302	Social Workers, Medical/Psychiatric	5,150	6,910	1,760	34.2	180	70
27305	Social Workers, Exc Medical/Psychiatric	4,210	5,470	1,260	29.9	130	50
27307	Residential Counselors.....	3,550	4,480	930	26.2	90	80
27308	Social/Human Service Assistants	13,410	16,950	3,540	26.4	350	350
27311	Recreation Workers	4,620	5,400	780	16.9	80	120
27502	Clergy	13,760	15,460	1,700	12.4	170	270
27505	Directors, Religious Activities/Education.....	2,230	2,760	530	23.8	50	40
27599	Religious Workers, NEC	750	830	80	10.7	10	10

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Occupational Code	Title	Employment		Change		Annual Average Openings	
		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
28102	Judges & Magistrates	320	320	0	0.0	0	10
28105	Adjudicators & Hearing Officers.....	1,680	1,680	0	0.0	0	30
28108	Lawyers	9,790	11,810	2,020	20.6	200	110
28302	Law Clerks.....	510	490	-20	-3.9	0	10
28305	Paralegals & Legal Assistants	1,780	2,890	1,110	62.4	110	20
28308	Title Searchers.....	240	260	20	8.3	0	0
28311	Title Examiners & Abstractors	850	890	40	4.7	0	10
28399	Legal Assistants, NEC	400	450	50	12.5	10	0
31111	Lecturers.....	110	120	10	9.1	0	0
31114	Nursing Instructors.....	950	1,140	190	20.0	20	20
31117	Graduate Assistants, Teaching.....	2,070	2,520	450	21.7	50	60
31201	Agric Sciences Teachers, Postsecondary	210	210	0	0.0	0	10
31202	Life Sciences Teachers, Postsecondary.....	840	1,100	260	31.0	30	20
31204	Chemistry Teachers, Postsecondary	310	370	60	19.4	10	10
31206	Physics Teachers, Postsecondary.....	200	240	40	20.0	0	10
31209	Phys Science Teachers, Postsecond, NEC.....	330	410	80	24.2	10	10
31211	Health Diagnostics Teachers, Postsecond	710	1,020	310	43.7	30	20
31212	Health Specialties Teachers, Postsecondary.....	550	780	230	41.8	20	20
31213	Communications Teachers, Postsecondary.....	320	440	120	37.5	10	10
31214	English Lang/Lit Teachers, Postsecondary.....	1,180	1,440	260	22.0	30	30
31215	Foreign Lang/Lit Teachers, Postsecondary.....	410	500	90	22.0	10	10
31218	Art/Drama/Music Teachers, Postsecond	1,110	1,350	240	21.6	20	30
31222	Engineering Teachers, Postsecondary	530	640	110	20.8	10	20
31223	Architecture Teachers, Postsecondary	90	110	20	22.2	0	0
31224	Math/Science Teachers, Postsecondary	850	1,030	180	21.2	20	20
31226	Computer Science Teachers, Postsecond.....	480	720	240	50.0	20	10
31231	Anthrop/Sociology Teachers, Postsecond	280	340	60	21.4	10	10
31232	Area/Ethnic/Cultural Studies Teachers	70	80	10	14.3	0	0
31233	Economics Teachers, Postsecondary.....	210	250	40	19.1	0	10
31234	Geography Teachers, Postsecondary	70	90	20	28.6	0	0
31235	History Teachers, Postsecondary	340	420	80	23.5	10	10
31236	Political Science Teachers, Postsecondary	210	260	50	23.8	10	10
31237	Psychology Teachers, Postsecondary.....	480	590	110	22.9	10	10
31239	Social Science Teachers, Postsecond, NEC.....	340	420	80	23.5	10	10
31242	Business Teachers, Postsecondary.....	1,210	1,470	260	21.5	30	30
31244	Law Teachers, Postsecondary.....	190	230	40	21.1	0	10
31246	Criminal Justice/Law Enforcement Teachers.....	160	200	40	25.0	0	0
31247	Social Work Teachers, Postsecondary	110	140	30	27.3	0	0
31252	Education Teachers, Postsecondary	770	930	160	20.8	20	20
31254	Philosophy/Religion Teachers, Postsecond.....	300	370	70	23.3	10	10
31256	Library Science Teachers, Postsecondary	50	60	10	20.0	0	0
31258	Parks/Rec/Leisure/Fitness Studies Teachers ..	170	250	80	47.1	10	10
31262	Home Economics Teachers, Postsecondary	70	60	-10	-14.3	0	0
31299	Postsecondary Teachers, NEC.....	4,930	6,010	1,080	21.9	110	140
31303	Teachers, Preschool.....	7,810	9,870	2,060	26.4	210	170
31304	Teachers, Kindergarten	3,630	4,050	420	11.6	40	80
31305	Teachers, Elementary School.....	35,100	38,970	3,870	11.0	390	810
31308	Teachers, Secondary School.....	30,080	36,670	6,590	21.9	660	960
31311	Teachers, Special Education	8,570	11,430	2,860	33.4	290	70
31314	Teachers/ Instructors, Voc Ed/Training.....	7,080	7,870	790	11.2	80	80
31317	Instructors, Adult (Non-Voc Ed)	3,020	3,610	590	19.5	60	30
31321	Instructors/Coaches, Sports/Physical Train ..	5,980	7,200	1,220	20.4	120	60
31323	Farm/Home Management Advisors	150	160	10	6.7	0	0
31399	Teachers & Instructors, NEC	6,920	7,610	690	10.0	70	70
31502	Librarians	2,780	2,870	90	3.2	10	70

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
31505	Library Technicians.....	1,780	2,090	310	17.4	30	50 80
31508	Audio-Visual Specialists	290	270	-20	-6.9	0	0 0
31511	Curators/Archivists/Museum Technicians	180	180	0	0.0	0	10 10
31514	Counselors, Vocation/Education.....	3,610	4,360	750	20.8	80	80 160
31517	Instructional Coordinators	1,630	1,950	320	19.6	30	20 50
31521	Teacher Aides, Paraprofessional.....	14,110	18,650	4,540	32.2	450	160 610
32102	Physicians and Surgeons	11,870	13,830	1,960	16.5	200	190 390
32105	Dentists.....	2,550	2,500	-50	-2.0	-10	50 50
32108	Optometrists	730	730	0	0.0	0	20 20
32111	Podiatrists	260	260	0	0.0	0	10 10
32113	Chiropractors	860	970	110	12.8	10	20 30
32114	Veterinarians	1,130	1,370	240	21.2	20	20 40
32199	Health Practitioners, NEC	600	970	370	61.7	40	10 50
32302	Respiratory Therapists	2,130	3,070	940	44.1	90	30 120
32305	Occupational Therapists	1,820	2,240	420	23.1	40	30 70
32308	Physical Therapists.....	2,490	2,950	460	18.5	50	40 90
32311	Corrective/Manual Arts Therapists.....	30	40	10	33.3	0	0 0
32314	Speech Pathologists/Audiologists	2,350	3,170	820	34.9	80	40 120
32317	Recreational Therapists.....	720	780	60	8.3	10	10 20
32399	Therapists, NEC	670	940	270	40.3	30	10 40
32502	Registered Nurses	49,340	57,200	7,860	15.9	790	810 1,600
32505	Licensed Practical/Voc Nurses	16,110	17,630	1,520	9.4	150	350 500
32508	Emergency Medical Techs/Paramedics.....	5,230	6,220	990	18.9	100	130 230
32511	Physician Assistants	1,260	1,710	450	35.7	50	20 70
32514	Opticians, Dispensing	1,040	1,160	120	11.5	10	10 20
32517	Pharmacists	4,120	4,420	300	7.3	30	110 140
32518	Pharmacy Technicians	2,950	3,480	530	18.0	50	70 120
32521	Dietitians & Nutritionists.....	1,600	1,800	200	12.5	20	30 50
32523	Dietetic Technicians.....	810	940	130	16.1	10	20 30
32902	Medical/Clinical Lab Technologists	3,840	4,070	230	6.0	20	50 70
32905	Medical/Clinical Lab Technicians.....	2,670	2,920	250	9.4	30	30 60
32908	Dental Hygienists.....	2,010	2,610	600	29.9	60	50 110
32911	Medical Records/Health Info Technicians.....	2,160	2,830	670	31.0	70	50 120
32913	Radiation Therapists.....	270	300	30	11.1	0	0 0
32914	Nuclear Medical Technologists	320	350	30	9.4	0	0 0
32919	Radiologic Technicians/Technologists	3,990	4,490	500	12.5	50	60 110
32923	Electroneurodiagnostic Technicians	110	110	0	0.0	0	0 0
32925	Cardiology Technologists/Technicians	470	670	200	42.6	20	10 30
32926	EKG Technicians	290	210	-80	-27.6	-10	10 10
32928	Surgical Technologists.....	1,450	2,000	550	37.9	60	40 100
32931	Psychiatric Technicians	6,260	6,700	440	7.0	40	90 130
32951	Veterinary Technologists/Technicians	310	340	30	9.7	0	10 10
32999	Health Professionals/Paraprofess, NEC	8,880	11,620	2,740	30.9	270	220 490
34002	Writers & Editors.....	3,370	3,950	580	17.2	60	90 150
34005	Technical Writers	620	750	130	21.0	10	20 30
34008	Public Relations Specialists	2,010	2,370	360	17.9	40	50 90
34011	Reporters & Correspondents	1,070	1,120	50	4.7	10	30 40
34014	Broadcast News Analysts	220	240	20	9.1	0	10 10
34017	Announcers, Radio & TV	1,200	1,160	-40	-3.3	0	30 30
34021	Announcers, NEC	20	20	0	0.0	0	0 0
34023	Photographers	2,640	2,950	310	11.7	30	40 70
34026	Camera Operers, TV/Motion Picture/Video.....	290	350	60	20.7	10	0 10
34028	Broadcast & Sound Technicians.....	1,000	1,070	70	7.0	10	30 40
34032	Film Editors.....	160	170	10	6.3	0	10 10
34035	Artists & Commercial Artists	5,840	6,410	570	9.8	60	120 180

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
34038	Designers, Exc Interior	5,090	6,050	960	18.9	100	70
34041	Interior Designers	1,430	1,720	290	20.3	30	20
34044	Merchandise Displayers/Window Dressers	580	640	60	10.3	10	10
34047	Music Directors/Singers/Related Workers	2,080	2,300	220	10.6	20	40
34051	Musicians, Instrumental	2,420	2,500	80	3.3	10	50
34053	Dancers & Choreographers	250	260	10	4.0	0	10
34056	Actors/Directors/Producers	1,410	1,590	180	12.8	20	30
34058	Athletes/Coaches/Umpires/Related Workers	930	1,040	110	11.8	10	30
39002	Air Traffic Controllers	450	440	-10	-2.2	0	10
39005	Traffic Technicians	150	150	0	0.0	0	0
39008	Radio Operators	70	70	0	0.0	0	0
39011	Funeral Directors & Morticians	1,060	1,270	210	19.8	20	20
39014	Embalmers	360	380	20	5.6	0	10
39999	Professional/Paraprofess/Techs, NEC	13,180	14,320	1,140	8.7	110	320
40000	Marketing & Sales	365,250	409,450	44,200	12.1	4,420	9,990
41002	Marketing/Sales Supervisors	71,840	79,380	7,540	10.5	750	940
43002	Insurance Sales Agents	7,460	7,700	240	3.2	20	170
43005	Brokers, Real Estate	1,490	1,730	240	16.1	20	30
43008	Sales Agents, Real Estate	4,300	4,720	420	9.8	40	90
43011	Real Estate Appraisers	1,020	1,190	170	16.7	20	20
43014	Securities/Finance Serv Sales Agents	5,920	8,230	2,310	39.0	230	50
43017	Sales Agents, Business Services	6,110	7,640	1,530	25.0	150	130
43021	Travel Agents	4,100	4,280	180	4.4	20	90
43023	Sales Agents, Advertising	3,530	3,960	430	12.2	40	100
43099	Sales Reps/Salespersons, Services NEC	1,390	1,700	310	22.3	30	50
49002	Sales Engineers	1,100	1,170	70	6.4	10	20
49005	Sales Reps, Scientific Products/Services	10,140	11,000	860	8.5	90	250
49008	Sales Reps, Mfg and Wholesale	27,100	28,360	1,260	4.7	130	660
49011	Retail Salespersons	82,280	92,740	10,460	12.7	1,050	2,790
49014	Parts Salespersons	6,680	6,690	10	0.2	0	190
49017	Counter & Rental Clerks	10,250	11,780	1,530	14.9	150	440
49021	Stock Clerks, Sales Floor	28,880	28,240	-640	-2.2	-60	440
49023	Cashiers	62,960	72,800	9,840	15.6	980	2,740
49026	Telemarketers/Door Sales/Related Wkrs	17,480	23,670	6,190	35.4	620	450
49034	Demonstrators/Product Promoters	1,880	2,170	290	15.4	30	50
49036	Models	20	20	0	0.0	0	0
49999	Sales & Related Workers, NEC	9,320	10,280	960	10.3	100	290
50000	Admin Support & Clerical	466,430	488,750	22,320	4.8	2,250	9,660
51002	Office/Admin Support Supervisors/Mgrs	34,540	39,250	4,710	13.6	470	780
53102	Bank Tellers	13,720	12,580	-1,140	-8.3	-110	590
53105	New Accounts Clerks, Banking	2,370	2,680	310	13.1	30	80
53108	Transit Clerks	180	130	-50	-27.8	-10	10
53111	Loan Interviewers	320	260	-60	-18.8	-10	0
53114	Credit Authorizers	270	240	-30	-11.1	0	0
53117	Credit Checkers	750	730	-20	-2.7	0	10
53121	Loan & Credit Clerks	4,940	5,350	410	8.3	40	50
53123	Adjustment Clerks	12,030	14,940	2,910	24.2	290	80
53126	Statement Clerks	290	210	-80	-27.6	-10	0
53128	Brokerage Clerks	1,820	2,260	440	24.2	40	20
53302	Insur Adjusters/Examiners/Investigators	3,900	4,510	610	15.6	60	70
53305	Insurance Appraisers, Auto Damage	340	380	40	11.8	0	10
53308	Insurance Examining Clerks	210	240	30	14.3	0	0
53311	Insurance Claims Clerks	4,520	4,940	420	9.3	40	80
53314	Insurance Policy Process Clerks	3,060	3,230	170	5.6	20	40

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Occupational Code	Title	Employment		Change		Annual Average Openings	
		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
53502	Welfare Eligibility Workers	1,020	800	-220	-21.6	-20	20
53505	Investigators, Clerical	270	290	20	7.4	0	0
53508	Bill & Account Collectors	6,770	8,460	1,690	25.0	170	180
53702	Court Clerks	700	800	100	14.3	10	10
53705	Municipal Clerks	810	920	110	13.6	10	10
53708	License Clerks	480	540	60	12.5	10	10
53802	Travel Clerks	490	550	60	12.2	10	10
53805	Reservation & Transp Ticket Agents	3,720	3,550	-170	-4.6	-20	80
53808	Hotel/Motel/Resort Desk Clerks	3,460	3,680	220	6.4	20	130
53902	Library Assistants/Bookmobile Drivers	2,840	3,340	500	17.6	50	140
53905	Teacher Aides/Educational Assistants	10,020	12,990	2,970	29.6	300	120
53908	Advertising Clerks	240	250	10	4.2	0	10
53911	Proofreaders & Copy Markers	720	600	-120	-16.7	-10	20
53914	Real Estate Clerks	320	390	70	21.9	10	10
55102	Legal Secretaries	5,010	5,760	750	15.0	80	80
55105	Medical Secretaries	4,570	4,790	220	4.8	20	80
55108	Secretaries, Exc Legal or Medical	52,400	51,080	-1,320	-2.5	-130	860
55302	Court Reporters/Medical Trans/Stenos	6,390	5,550	-840	-13.2	-80	100
55305	Reception & Information Clerks	24,510	28,660	4,150	16.9	420	470
55307	Word Processors & Typists	7,560	5,900	-1,660	-22.0	-170	150
55314	Human Res Assistants, Exc Payroll/Time	3,580	3,330	-250	-7.0	-30	70
55317	Correspondence Clerks	480	500	20	4.2	0	10
55321	File Clerks	5,550	5,700	150	2.7	20	190
55323	Order Clerks	8,290	8,260	-30	-0.4	0	200
55326	Procurement Clerks	1,530	1,290	-240	-15.7	-20	20
55328	Statistical Clerks	1,260	1,210	-50	-4.0	-10	20
55332	Interview Clerks, Exc Personnel	3,410	4,220	810	23.8	80	110
55335	Customer Service Reps, Util	4,180	4,710	530	12.7	50	100
55338	Bookkeeping/Accounting/Auditing Clerks	38,190	35,550	-2,640	-6.9	-260	710
55341	Payroll & Timekeeping Clerks	3,880	3,570	-310	-8.0	-30	80
55344	Billing/Cost/Rate Clerks	7,290	7,700	410	5.6	40	150
55347	Office Clerks, General	60,600	67,920	7,320	12.1	730	1,680
56002	Billing/Posting Clerks/Mach Oper	2,100	1,970	-130	-6.2	-10	40
56005	Duplicating Machine Operators	1,110	1,160	50	4.5	10	30
56008	Mail Mach Oper, Preparation/Handling	1,280	1,250	-30	-2.3	0	40
56011	Computer Oper, Exc Peripheral Equip	4,110	2,860	-1,250	-30.4	-130	60
56014	Peripheral Equipment Operators	760	470	-290	-38.2	-30	10
56017	Data Entry Keyers, Exc Composing	8,890	8,900	10	0.1	0	70
56021	Data Entry Keyers, Composing	340	230	-110	-32.4	-10	0
56099	Office Machine Operators, NEC	650	480	-170	-26.2	-20	20
57102	Switchboard Operators	4,070	3,360	-710	-17.4	-70	90
57105	Directory Assistance Operators	730	420	-310	-42.5	-30	20
57108	Central Office Operators	760	570	-190	-25.0	-20	20
57111	Telegraph/Teletype Operators	650	700	50	7.7	10	20
57199	Communication Equip Operators, NEC	910	720	-190	-20.9	-20	20
57302	Mail Clerks, Exc Mail Mach/Postal Service	2,800	2,800	0	0.0	0	70
57305	Postal Mail Carriers	7,410	8,090	680	9.2	70	210
57308	Postal Service Clerks	1,840	1,990	150	8.2	20	30
57311	Couriers & Messengers	1,910	1,960	50	2.6	10	50
58002	Dispatchers: Police/Fire/Ambulance	2,610	2,820	210	8.1	20	40
58005	Dispatchers, Exc Police/Fire/Ambulance	4,140	4,450	310	7.5	30	70
58008	Production/Planning/Expediting Clerks	6,670	6,210	-460	-6.9	-50	80
58011	Transportation Agents	460	450	-10	-2.2	0	0
58014	Meter Readers, Utilities	1,350	1,480	130	9.6	10	30
58017	Weighers/Measurers/Checkers	830	830	0	0.0	0	20

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
58021	Marking Clerks	500	430	-70	-14.0	-10	10
58023	Stock Clerks: Stockroom/Warehouse	16,170	17,580	1,410	8.7	140	240
58026	Order Fillers, Wholesale/Retail	5,910	6,700	790	13.4	80	140
58028	Shipping/Receiving/Traffic Clerks	20,110	20,160	50	0.3	10	340
58099	Material Rec/Sched/Distr Workers, NEC	2,090	2,100	10	0.5	0	50
59999	Admin Support/Clerical Occs, NEC	11,470	12,820	1,350	11.8	140	190
60000	Service Occupations	464,430	525,120	60,690	13.1	6,110	14,810
61002	Fire Fighting/Prevention Supervisors	1,520	1,740	220	14.5	20	50
61005	Police/Detective Supervisors	2,810	3,210	400	14.2	40	80
61008	Institution Cleaning Supervisors	2,020	2,100	80	4.0	10	50
61099	Service Supervisors/Mgrs, NEC	15,750	18,950	3,200	20.3	320	360
63002	Fire Inspectors	140	160	20	14.3	0	0
63005	Forest Fire Inspectors/Prev Specialists	130	140	10	7.7	0	0
63008	Fire Fighters	5,000	5,400	400	8.0	40	120
63011	Police Detectives	1,060	1,360	300	28.3	30	30
63014	Police Patrol Officers	8,830	11,950	3,120	35.3	310	240
63017	Correctional Officers	7,590	10,160	2,570	33.9	260	210
63021	Parking Enforcement Workers	100	110	10	10.0	0	0
63023	Bailiffs	160	160	0	0.0	0	0
63028	Criminal Investigators, Public Service	500	570	70	14.0	10	10
63032	Sheriffs & Deputy Sheriffs	1,650	2,270	620	37.6	60	20
63035	Private Detectives/Investigators	1,410	1,670	260	18.4	30	40
63038	Transit & Railroad Police	80	90	10	12.5	0	0
63041	Fish & Game Wardens	20	20	0	0.0	0	0
63044	Crossing Guards	520	550	30	5.8	0	20
63047	Guards	15,050	16,800	1,750	11.6	180	380
63099	Protective Service Workers, NEC	3,030	3,620	590	19.5	60	210
65002	Hosts/Hostesses: Restaurant/Lounge	5,250	6,040	790	15.1	80	160
65005	Bartenders	8,250	8,130	-120	-1.5	-10	350
65008	Waiters & Waitresses	44,490	48,890	4,400	9.9	440	2,450
65011	Food Servers	2,020	2,370	350	17.3	40	170
65014	Dining Room/Cafeteria Attends/Bar Help	9,730	9,660	-70	-0.7	-10	300
65017	Counter Attendants/Lunchroom/Cafeteria	7,820	8,380	560	7.2	60	650
65021	Bakers, Bread & Pastry	3,490	3,970	480	13.8	50	90
65023	Butchers & Meatcutters, Retail	3,140	2,890	-250	-8.0	-30	70
65026	Cooks, Restaurant	18,550	21,170	2,620	14.1	260	480
65028	Cooks, Institution/Cafeteria	11,690	12,040	350	3.0	40	310
65032	Cooks, Fast Food	11,870	13,580	1,710	14.4	170	310
65035	Cooks, Short Order	3,060	3,490	430	14.1	40	80
65038	Food Preparation Workers	23,450	24,810	1,360	5.8	140	1,290
65041	Food Prep/Service Workers, Fast Food	41,370	44,670	3,300	8.0	330	2,280
65099	Food Service Workers, NEC	5,580	5,680	100	1.8	10	220
66002	Dental Assistants	4,680	6,180	1,500	32.1	150	70
66005	Medical Assistants	5,330	7,600	2,270	42.6	230	130
66008	Nursing Aides/Orderlies/Attendants	37,520	44,370	6,850	18.3	690	520
66011	Home Health Aides	7,590	10,100	2,510	33.1	250	110
66014	Psychiatric Aides	1,400	1,570	170	12.1	20	20
66017	Physical Therapy Assistants/Aides	2,100	2,760	660	31.4	70	50
66021	Occupational Therapy Assistants/Aides	600	770	170	28.3	20	20
66023	Ambulance Drivers/Attendants, Exc EMTs	170	210	40	23.5	0	0
66026	Pharmacy Aides	1,280	1,480	200	15.6	20	30
66099	Health Service Workers, NEC	4,600	5,280	680	14.8	70	110
67002	Maids & Housekeeping Cleaners	23,060	25,340	2,280	9.9	230	430
67005	Janitors & Cleaners	42,090	45,130	3,040	7.2	300	910
67008	Pest Controllers Workers	850	1,070	220	25.9	20	20

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
67011	Elevator Operators.....	80	60	-20	-25.0	0	0
67099	Cleaning/Building Service Workers, NEC	3,780	3,870	90	2.4	10	80
68002	Barbers	240	200	-40	-16.7	0	10
68005	Hairdressers/Hairstylists/Cosmetologists....	10,810	10,740	-70	-0.7	-10	280
68008	Manicurists	680	790	110	16.2	10	20
68011	Shampooers	110	110	0	0.0	0	0
68014	Amusement/Recreation Attendants	10,190	12,680	2,490	24.4	250	190
68017	Guides	800	950	150	18.8	20	20
68021	Ushers/Lobby Attendants/Ticket Takers	2,500	2,850	350	14.0	40	50
68023	Baggage Porters/Bellhops	700	730	30	4.3	0	10
68026	Flight Attendants.....	3,030	3,540	510	16.8	50	70
68028	Other Transportation Attendants.....	610	560	-50	-8.2	-10	10
68032	Wardrobe & Dressing Room Attends.....	250	280	30	12.0	0	10
68035	Personal/Home Care Aides	7,100	9,450	2,350	33.1	240	190
68038	Child Care Workers	15,360	19,240	3,880	25.3	390	150
68041	Funeral Attendants	490	550	60	12.2	10	10
69999	Service Workers, NEC.....	9,300	9,860	560	6.0	60	260
70000	Agricultural Service/Forestry.....	24,610	29,510	4,900	19.9	480	660
72002	First Line Supervisors: Ag Services/Forestry ...	800	960	160	20.0	20	10
73002	Fallers & Buckers.....	70	80	10	14.3	0	0
73008	Log Handling Equipment Operators.....	130	150	20	15.4	0	0
73011	Logging Tractor Operators.....	120	140	20	16.7	0	0
73099	Timber Cutting/Related Log Workers, NEC	30	30	0	0.0	0	0
79002	Forest & Conservation Workers.....	410	430	20	4.9	0	10
79008	Log Graders & Scalers	150	170	20	13.3	0	0
79011	Graders/Sorters, Agric Products	670	710	40	6.0	0	20
79015	Animal Breeders	40	50	10	25.0	0	0
79016	Animal Trainers.....	130	160	30	23.1	0	0
79017	Animal Caretakers, Exc Farm	2,420	2,960	540	22.3	50	40
79021	Farm Equipment Operators	50	60	10	20.0	0	0
79033	Pruners	510	660	150	29.4	20	20
79036	Sprayers/Applicators.....	370	460	90	24.3	10	10
79041	Laborers, Landscaping/Groundskeeping	16,080	19,470	3,390	21.1	340	480
79806	Veterinary Assistants	1,070	1,310	240	22.4	20	20
79856	Farm Workers, Food/Fiber Crops	70	80	10	14.3	0	0
79858	Farm Workers, Farm/Ranch Animals.....	290	380	90	31.0	10	10
79999	Agric/Forestry/Fishing Workers, NEC	1,190	1,240	50	4.2	10	40
80001	Precision Production/Craft/Repair	314,050	337,120	23,070	7.4	2,290	7,520
81002	First Line Supervisors: Mechanics/Repair ..	12,580	13,740	1,160	9.2	120	370
81005	First Line Supervisors: Construct/Extract....	11,240	13,060	1,820	16.2	180	300
81008	First Line Supervisors: Production/Opers ...	15,880	16,090	210	1.3	20	450
81011	First Line Supervisors: Transportation	3,460	3,750	290	8.4	30	90
81017	First Line Supervisors: Helpers/Laborers.....	3,590	3,780	190	5.3	20	100
81099	Blue-Collar Worker Supervisors, NEC	5,410	6,050	640	11.8	60	140
83002	Inspectors/Testers/Graders, Precision.....	2,650	2,320	-330	-12.5	-30	60
83005	Inspectors/Testrs/Gradr/Sampls/Weighrs ..	9,150	8,240	-910	-10.0	-90	210
83008	Transportation Inspectors	670	670	0	0.0	0	10
83099	Inspectors/Testers/Related, NEC	860	920	60	7.0	10	20
85110	Industrial Machinery Mechanics.....	7,240	7,790	550	7.6	60	160
85112	Machinery Maintenance Mechanics: Textile	70	60	-10	-14.3	0	0
85113	Machinery Maintenance Mechanics: Sewing ...	210	170	-40	-19.1	0	10
85116	Machinery Maintenance Mechanics: Marine....	150	180	30	20.0	0	0
85117	Mine Machinery Mechanics	140	130	-10	-7.1	0	0
85118	Mach Maint Mechanics: Water/Power	1,540	1,650	110	7.1	10	40

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
85119	Machinery Maintenance Mechanics, NEC	770	790	20	2.6	0	20
85123	Millwrights	1,510	1,520	10	0.7	0	40
85126	Refractory Material Repairers	70	70	0	0.0	0	0
85128	Machinery Maintenance Workers	1,770	1,860	90	5.1	10	40
85132	Maintenance Repairers, General Utility	24,610	26,010	1,400	5.7	140	550
85302	Auto Mechanics/Service Technicians	17,890	20,100	2,210	12.4	220	450
85305	Automotive Body & Related Repairers	5,540	5,900	360	6.5	40	160
85308	Motorcycle Mechanics	270	290	20	7.4	0	10
85311	Bus/Truck/Diesel Engine Mechanics	5,700	6,100	400	7.0	40	130
85314	Mobile Heavy Equipment Mechanics	1,980	2,200	220	11.1	20	50
85317	Rail Car Repairers	330	330	0	0.0	0	10
85321	Farm Equipment Mechanics	1,020	1,000	-20	-2.0	0	30
85323	Aircraft Mechanics	4,450	4,200	-250	-5.6	-30	90
85326	Aircraft Engine Specialists	130	100	-30	-23.1	0	0
85328	Small Engine Mechanics	810	850	40	4.9	0	20
85502	Central Office/PBX Installers/Repairers	1,360	1,650	290	21.3	30	40
85505	Frame Wires, Central Office	420	370	-50	-11.9	-10	10
85508	Telegraph/Teletype Installers/Repairers	40	30	-10	-25.0	0	0
85511	Signal/Track Switch Maintainers	130	130	0	0.0	0	0
85514	Radio Mechanics	260	240	-20	-7.7	0	10
85599	Communication Equip Mechanics, NEC	1,090	1,120	30	2.8	0	30
85702	Telephone/Cable TV Installers/Repairers	5,240	6,520	1,280	24.4	130	170
85705	Data Processing Equip Repairers	1,320	1,520	200	15.2	20	20
85708	Electronic Home Entertain Equip Repairers	620	500	-120	-19.4	-10	20
85711	Electric Home Appliance/Power Tool Reprs	770	780	10	1.3	0	20
85714	Electric Motor/Transform Repairers	300	280	-20	-6.7	0	10
85717	Electronics Reprs, Commercial/Ind Equip	1,340	1,510	170	12.7	20	40
85721	Power/Substation/Relay Electrcns	270	260	-10	-3.7	0	10
85723	Electric Powerline Installers/Repairers	2,700	2,910	210	7.8	20	60
85726	Station Installers/Repairers, Telephone	860	540	-320	-37.2	-30	30
85728	Electrical Installers/Repairers Transp Equip	660	630	-30	-4.6	0	20
85799	Electric/Electronic Equip Mechanics, NEC	1,080	1,250	170	15.7	20	30
85902	Heating/AC/Refrig Mechanics/Installers	5,500	6,480	980	17.8	100	100
85905	Precision Instrument Repairers	390	370	-20	-5.1	0	10
85908	Medical Equipment Repairers	360	410	50	13.9	10	10
85911	Electric Meter Installers/Repairers	300	300	0	0.0	0	10
85914	Camera/Photographic Equip Repairers	40	40	0	0.0	0	0
85917	Watch Repairers	80	60	-20	-25.0	0	0
85921	Musical Instrument Repairers/Tuners	310	330	20	6.5	0	10
85923	Locksmiths & Safe Repairers	370	410	40	10.8	0	10
85926	Office Mach/Cash Register Servicers	1,110	1,230	120	10.8	10	20
85928	Mechanical Control Installers/Repairers	250	270	20	8.0	0	10
85932	Elevator Installers & Repairers	420	500	80	19.1	10	10
85935	Riggers	70	90	20	28.6	0	0
85938	Mobile Home Repairers	680	890	210	30.9	20	20
85944	Gas Appliance Repairers	290	280	-10	-3.5	0	10
85947	Coin/Vending/Amuse Mach Servicers	630	610	-20	-3.2	0	10
85951	Bicycle Repairers	50	60	10	20.0	0	0
85953	Tire Repairers & Changers	1,880	2,030	150	8.0	20	80
85956	Menders/Garments/Linens/Related	90	100	10	11.1	0	0
85999	Mechanics/Installers/Repairers, NEC	4,920	5,280	360	7.3	40	90
87102	Carpenters	25,440	27,690	2,250	8.8	230	680
87105	Ceiling Tile Installers/Acoustic Carpenters	270	310	40	14.8	0	10
87108	Drywall Installers	2,240	2,530	290	13.0	30	30
87111	Tapers	980	1,110	130	13.3	10	10

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
87114	Lathers.....	60	60	0	0.0	0	0
87202	Electricians	13,240	14,620	1,380	10.4	140	270
87302	Brickmasons/Blockmasons.....	3,890	4,680	790	20.3	80	80
87305	Stonemasons.....	230	270	40	17.4	0	10
87308	Hard Tile Setters.....	190	210	20	10.5	0	10
87311	Concrete Finish/Cement /Terrazzo Wkrs.....	2,740	2,970	230	8.4	20	30
87314	Reinforcing Metal Workers	470	540	70	14.9	10	10
87317	Plasterers & Stucco Masons.....	760	930	170	22.4	20	20
87402	Painters & Paperhangers.....	8,530	9,320	790	9.3	80	220
87502	Plumbers/Pipefitters/Steamfitters.....	8,590	9,160	570	6.6	60	110
87505	Pipelaying Fitters	50	50	0	0.0	0	0
87508	Pipelayers	1,130	1,280	150	13.3	20	30
87511	Septic Tank Servicers/Sewer Pipe Cleaner	180	200	20	11.1	0	0
87602	Carpet Installers.....	1,400	1,520	120	8.6	10	30
87605	Floor Layers, Exc Carpet/Wood/Hard Tile	610	750	140	23.0	10	20
87608	Floor Sanding Machine Operators	190	220	30	15.8	0	10
87702	Air Hammer Operators.....	80	90	10	12.5	0	0
87705	Pile Driving Equipment Operators.....	100	120	20	20.0	0	0
87708	Paving/Surfacing/Tamping Opers	1,670	1,900	230	13.8	20	40
87711	Highway Maintenance Workers	6,000	6,690	690	11.5	70	140
87714	Rail-Track Laying/Maint Equip Opers	420	370	-50	-11.9	-10	10
87802	Insulation Workers	1,180	1,270	90	7.6	10	40
87803	Hazardous Materials Removal Workers	830	1,010	180	21.7	20	20
87805	Sheet Metal Duct Installers	960	1,240	280	29.2	30	30
87808	Roofers	4,250	4,740	490	11.5	50	150
87811	Glaziers	550	570	20	3.6	0	10
87814	Structural Metal Workers	1,610	1,850	240	14.9	20	40
87817	Fence Erectors	600	720	120	20.0	10	10
87899	Construction Trades Workers, NEC.....	1,740	1,980	240	13.8	20	40
87902	Earth Drillers, Exc Oil & Gas.....	520	560	40	7.7	0	10
87905	Explosive Workers/Ord Hdg Exprts/Blasters.....	90	100	10	11.1	0	0
87908	Rock Splitters, Quarry.....	80	110	30	37.5	0	0
87923	Roof Bolters, Mining	50	50	0	0.0	0	0
87941	Continuous Mining Mach Opers.....	50	60	10	20.0	0	0
87943	Mine Cutting/Channeling Mach Opers	50	50	0	0.0	0	0
87949	Mining Mach Operators, NEC.....	230	230	0	0.0	0	10
87989	Extraction Workers, Exc Helpers, NEC.....	130	130	0	0.0	0	0
87999	Construction/Extractive Workers, NEC	2,030	2,270	240	11.8	20	50
89102	Tool & Die Makers	3,270	3,240	-30	-0.9	0	60
89105	Instrument Makers, Precision	60	60	0	0.0	0	0
89108	Machinists.....	7,590	7,740	150	2.0	20	150
89111	Tool Grinders/Filers/Sharpeners.....	630	660	30	4.8	0	20
89114	Pattern & Model Makers, Metal.....	40	40	0	0.0	0	0
89117	Layout Workers, Metal, Precision	260	280	20	7.7	0	10
89121	Shipfitters.....	40	50	10	25.0	0	0
89123	Jewelers & Silversmiths.....	430	430	0	0.0	0	10
89126	Hand Workers, Jewelry, Precision	40	40	0	0.0	0	0
89128	Etchers/Engravers, Hand/Mach, Precision	110	110	0	0.0	0	0
89132	Sheet Metal Workers	4,260	4,790	530	12.4	50	100
89135	Boilermakers.....	110	110	0	0.0	0	0
89199	Precision Metal Workers, NEC	320	350	30	9.4	0	10
89302	Pattern/Model Makers, Wood	180	170	-10	-5.6	0	0
89308	Wood Machinists	480	510	30	6.3	0	10
89311	Cabinetmakers/Bench Carpenters.....	2,680	2,870	190	7.1	20	30
89314	Furniture Finishers.....	460	510	50	10.9	10	10

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Occupational Code	Title	Employment		Change		Annual Average Openings	
		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
89399	Precision Woodworkers, NEC.....	210	200	-10	-4.8	0	10
89502	Patternmakers/Layout Wkrs, Fabric/Apparel ...	180	150	-30	-16.7	0	0
89505	Custom Tailors & Sewers	1,290	1,030	-260	-20.2	-30	20
89508	Upholsterers	1,710	1,870	160	9.4	20	40
89511	Shoe/Leather Workers/Repairers, Prec	1,500	1,140	-360	-24.0	-40	30
89514	Spotters, Dry Cleaning.....	120	130	10	8.3	0	0
89517	Pressers, Delicate Fabric.....	390	420	30	7.7	0	10
89599	Precision Textile Workers, NEC.....	290	270	-20	-6.9	0	10
89702	Compositors/Typesetters, Precision	250	190	-60	-24.0	-10	0
89705	Job Printers	450	460	10	2.2	0	10
89706	Paste-Up Workers	300	160	-140	-46.7	-10	10
89707	Desktop Publishing Specialists	510	900	390	76.5	40	10
89712	Photoengravers	130	70	-60	-46.2	-10	0
89713	Camera Operators	220	150	-70	-31.8	-10	0
89715	Scanner Operators	200	200	0	0.0	0	0
89717	Film Strippers, Printing	630	420	-210	-33.3	-20	10
89718	Platemakers.....	380	360	-20	-5.3	0	10
89719	Lithog/Photoengraving Occs, NEC	130	130	0	0.0	0	0
89721	Bookbinders.....	110	90	-20	-18.2	0	0
89799	Precision Printing Workers, NEC.....	50	50	0	0.0	0	0
89802	Slaughterers & Meat Packers	2,750	2,880	130	4.7	10	70
89805	Bakers, Manufacturing	2,580	2,710	130	5.0	10	30
89808	Food Batchmakers.....	1,720	1,970	250	14.5	30	50
89899	Precision Food/Tobacco Workers, NEC	240	280	40	16.7	0	10
89902	Foundry Mold/Core Makers, Prec	370	370	0	0.0	0	10
89905	Molders/Shapers, Exc Jewelry/Foundry	240	270	30	12.5	0	10
89908	Patternmakers/Model Makers/Related Wkrs.....	40	40	0	0.0	0	0
89911	Detail Design Decorators/Painters.....	70	70	0	0.0	0	0
89914	Photographic Process Workers, Precision.....	410	420	10	2.4	0	20
89917	Ophthalmic Laboratory Technicians	200	170	-30	-15.0	0	0
89921	Dental Lab Technicians, Precision.....	680	600	-80	-11.8	-10	10
89923	Medical Appliance Makers	370	380	10	2.7	0	10
89999	Precision Workers, NEC	2,050	2,160	110	5.4	10	60
90000	Operators/Fabricators/Laborers	424,490	456,880	32,390	7.6	3,260	9,650
91102	Sawing Mach Tool Setters/Opers, M/P	440	470	30	6.8	0	10
91105	Lathe/Turning Mach Setters/Opers, M/P	1,550	1,420	-130	-8.4	-10	30
91108	Drilling/Boring Mach Setters/Opers, M/P.....	750	630	-120	-16.0	-10	20
91111	Milling/Planing Mach Setters/Opers, M/P.....	230	240	10	4.4	0	10
91114	Grinding Mach Setters/Opers, M/P	1,000	900	-100	-10.0	-10	30
91117	Machine Tool Cutting Opers, M/P	2,940	2,560	-380	-12.9	-40	70
91302	Punching Mach Setters/Opers, M/P	1,270	1,190	-80	-6.3	-10	30
91305	Press Mach Setters/Opers, M/P.....	1,890	2,010	120	6.4	10	40
91308	Shear Mach Setters/Opers, M/P	460	500	40	8.7	0	10
91311	Extrude/Drawing Setters/Opers, M/P	1,090	1,360	270	24.8	30	30
91314	Rolling Machine Setters/Opers, M/P	340	420	80	23.5	10	10
91317	Forging Machine Setters/Opers, M/P	300	310	10	3.3	0	10
91321	Machine Forming Opers/Tenders, M/P	5,190	5,030	-160	-3.1	-20	130
91502	Numerical Control Mach Opers, M/P	1,930	2,370	440	22.8	40	40
91505	Comb Mach Tool Settrs/Set-Up Opers, M/P	820	930	110	13.4	10	20
91508	Comb Mach Tool Opers/Tenders, M/P	2,020	2,320	300	14.9	30	50
91702	Welding Mach Setters/Set-Up Opers	940	970	30	3.2	0	20
91705	Welding Machine Opers/Tenders.....	2,430	2,500	70	2.9	10	60
91708	Soldering/Brazing Mach Setters/Opers	320	330	10	3.1	0	10
91711	Soldering/Brazing Mach Opers/Tenders	170	180	10	5.9	0	0
91714	Metal Fabricators, Structural Metal	900	1,000	100	11.1	10	20

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
91902	Plastic Mold/Cast Mach Setters/Opers	810	930	120	14.8	10	20 30
91905	Plastic Mold/Cast Mach Opers/Tenders.....	2,600	3,030	430	16.5	40	70 110
91908	Metal Mold/Core/Cast Mach Setters	550	680	130	23.6	10	10 20
91911	Metal Mold/Core/Cast Mach Opers/Tndrs...	1,840	2,110	270	14.7	30	50 80
91914	Foundry Mold Assembly/Shakeout Wkrs	200	220	20	10.0	0	10 10
91917	Electro Plating/Coat Mach Setters/Opers	380	410	30	7.9	0	10 10
91921	Electro Plating/Coat Mach Opers, M/P	880	950	70	8.0	10	20 30
91923	Nonelectro Plating/Coat Mach Setters	110	110	0	0.0	0	0 0
91926	Nonelectro Plating/Coat Mach Opers.....	160	180	20	12.5	0	0 0
91928	Heating Equip Setters/Opers, M/P	80	80	0	0.0	0	0 0
91932	Heat Treat/Annealing/Temper Mach Opers ...	390	420	30	7.7	0	10 10
91935	Furnace Operators & Tenders	360	360	0	0.0	0	10 10
91938	Heaters, Metal/Plastic	40	40	0	0.0	0	0 0
92197	Metal/Plastic Mach Setters/Opers, NEC	780	870	90	11.5	10	20 30
92198	Metal/Plastic Mach Opers/Tenders, NEC ...	1,540	1,730	190	12.3	20	40 60
92302	Sawing Mach Setters/Set-Up Opers	240	190	-50	-20.8	-10	10 10
92305	Head Sawyer	240	260	20	8.3	0	10 10
92308	Sawing Machine Opers/Tenders	1,410	1,460	50	3.6	10	40 50
92311	Woodworking Mach Setters, Exc Sawing	450	370	-80	-17.8	-10	10 10
92314	Woodwork Mach Opers/Tenders, Exc Saw...	1,800	1,520	-280	-15.6	-30	40 40
92510	Print Press Machine Setters.....	340	360	20	5.9	0	10 10
92512	Offset Lithographic Press Opers	1,630	1,390	-240	-14.7	-20	40 40
92515	Letterpress Operators	310	250	-60	-19.4	-10	10 10
92519	Printing Press Setters/Opers, NEC	180	170	-10	-5.6	0	0 0
92522	Specialty Material Printing Mach Setters	390	410	20	5.1	0	10 10
92524	Screen Printing Mach Setters/Opers.....	460	470	10	2.2	0	10 10
92525	Bindery Machine Setters/Opers	920	940	20	2.2	0	20 20
92529	Printing Setters/Operators, NEC	190	180	-10	-5.3	0	0 0
92541	Typesetting/Composing Mach Opers	310	120	-190	-61.3	-20	10 10
92543	Printing Press Mach Opers/Tenders	3,740	3,960	220	5.9	20	80 100
92545	Photoengrav/Lithog Mach Opers/Tenders	140	110	-30	-21.4	0	0 0
92546	Bindery Machine Operators	1,450	1,460	10	0.7	0	30 30
92549	Printing/Binding/Related Workers, NEC.....	340	350	10	2.9	0	10 10
92702	Textile Machine Setters/Operators.....	70	50	-20	-28.6	0	0 0
92705	Textile Machine Operators/Tenders	510	440	-70	-13.7	-10	10 10
92708	Extruding/Forming Mach Opers/Tenders	170	230	60	35.3	10	0 10
92714	Textile Bleach/Dye Mach Opers/Tenders	40	30	-10	-25.0	0	0 0
92717	Sewing Machine Opers, Garment	8,020	5,290	-2,730	-34.0	-270	110 110
92721	Sewing Machine Opers, Non-Garment	2,750	2,920	170	6.2	20	40 60
92723	Shoe Sewing Machine Opers/Tenders	350	220	-130	-37.1	-10	10 10
92726	Laundry/Drycleaning Mach Opers.....	5,270	5,590	320	6.1	30	130 160
92728	Pressing Mach Opers/Tenders, Textiles	1,510	1,300	-210	-13.9	-20	30 30
92902	Electronic Semiconductor Processors	430	470	40	9.3	0	10 10
92905	Motion Picture Projectionists.....	110	80	-30	-27.3	0	0 0
92908	Photographic Process Mach Opers	1,490	1,090	-400	-26.9	-40	60 60
92911	Tire Building Machine Operators.....	310	370	60	19.4	10	10 20
92914	Paper Goods Machine Setters/Opers	2,370	2,280	-90	-3.8	-10	50 50
92917	Cooking Mach Opers, Food/Tobacco	720	710	-10	-1.4	0	10 10
92921	Roast/Dry Opers/Tenders, Food/Tobacco	380	370	-10	-2.6	0	10 10
92923	Furnace/Kiln/Oven/Drier/Kettle Opers.....	550	550	0	0.0	0	10 10
92926	Boiler Opers/Tenders, Low Pressure	340	320	-20	-5.9	0	10 10
92928	Cooling/Freezer Equip Opers/Tenders	110	120	10	9.1	0	0 0
92932	Dairy Process Equip Opers/Setters	720	670	-50	-6.9	-10	20 20
92935	Chemical Equip Controllers/Opers.....	2,070	2,160	90	4.4	10	50 60
92938	Chemical Equipment Tenders.....	400	450	50	12.5	10	10 20

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Occupational Code	Title	Employment		Change		Annual Average Openings	
		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
92941	Cutting/Slicing Machine Setters/Opers	580	590	10	1.7	0	10
92944	Cutting/Slicing Machine Opers/Tenders.....	1,650	1,760	110	6.7	10	40
92947	Painters, Transportation Equip.....	1,170	1,090	-80	-6.8	-10	30
92951	Coat/Paint/Spray Mach Setters/Opers	1,060	1,150	90	8.5	10	20
92953	Coat/Paint/Spray Mach Opers/Tenders	1,730	1,920	190	11.0	20	40
92956	Cement/Gluing Mach Opers/Tenders	780	620	-160	-20.5	-20	20
92958	Clean/Wash/Pickling Equip Opers/Tenders ...	890	940	50	5.6	10	20
92962	Separating/Still Mach Setters/Opers	800	770	-30	-3.8	0	20
92965	Crush/Grind/Mix Mach Opers/Tenders	4,500	4,720	220	4.9	20	110
92968	Extruding/Form/Press Mach Setters/Opers ...	910	1,020	110	12.1	10	20
92971	Extrude/Form/Press Mach Opers/Tendr ...	1,750	1,860	110	6.3	10	40
92974	Packaging/Filling Mach Opers/Tenders	10,110	10,650	540	5.3	50	260
92997	Machine Setters/Setup Opers, NEC	4,250	4,720	470	11.1	50	60
92998	Machine Operators/Tenders, NEC.....	10,310	12,870	2,560	24.8	260	150
93102	Aircraft Assemblers, Precision	110	80	-30	-27.3	0	0
93105	Machine Builder Assemblers, Precision.....	1,610	1,700	90	5.6	10	40
93108	Fitters, Structural Metal, Precision	290	250	-40	-13.8	0	10
93111	Electromechanical Equip Assemblers	540	530	-10	-1.9	0	10
93114	Elec/Electronic Equip Assemblers, Prec	3,290	3,230	-60	-1.8	-10	70
93197	Precision Assemblers, Metal, NEC	1,970	2,040	70	3.6	10	50
93902	Machine Assemblers.....	2,640	2,860	220	8.3	20	50
93905	Electrical/Electronic Assemblers	5,550	5,430	-120	-2.2	-10	100
93908	Coil Winders/Tapers/Finishers	1,100	1,160	60	5.5	10	20
93911	Glaziers, Manufacturing	150	170	20	13.3	0	0
93914	Welders & Cutters.....	7,610	8,180	570	7.5	60	190
93917	Solderers & Brazers.....	410	420	10	2.4	0	10
93921	Pressers, Hand	110	100	-10	-9.1	0	0
93923	Sewers, Hand	230	200	-30	-13.0	0	0
93926	Cutters & Trimmers, Hand	700	630	-70	-10.0	-10	20
93928	Portable Machine Cutters	240	190	-50	-20.8	-10	10
93935	Cannery Workers	440	470	30	6.8	0	10
93938	Meat/Poultry/Fish Cutters, Hand	4,450	5,640	1,190	26.7	120	100
93941	Metal Pourers/Casters, Basic Shape	150	150	0	0.0	0	0
93944	Molders & Casters, Hand	310	320	10	3.2	0	10
93947	Painting/Coating/Decorating Workers	460	530	70	15.2	10	10
93951	Engraving & Printing Workers, Hand	120	120	0	0.0	0	0
93953	Grinders & Polishers, Hand	1,240	1,310	70	5.7	10	30
93956	Assemblers/Fab, Exc Mach/Elec/Prec	35,210	36,180	970	2.8	100	630
93999	Hand Workers, NEC	10,150	11,580	1,430	14.1	140	270
95002	Water & Waste Treat Plant Opers.....	2,450	2,820	370	15.1	40	60
95005	Gas Plant Operators	80	80	0	0.0	0	0
95008	Chemical Plant & System Opers.....	1,300	1,410	110	8.5	10	40
95021	Power Generating Plant Operators	570	630	60	10.5	10	20
95023	Auxiliary Equipment Opers, Power	160	180	20	12.5	0	10
95026	Power Reactor Operators	40	50	10	25.0	0	0
95028	Power Distributors/Dispatchers.....	260	250	-10	-3.9	0	10
95032	Stationary Engineers.....	380	360	-20	-5.3	0	10
95099	Plant & System Operators, NEC	2,880	3,300	420	14.6	40	90
97102	Truck Drivers, Heavy	42,420	49,220	6,800	16.0	680	610
97105	Truck Drivers, Light.....	25,770	30,160	4,390	17.0	440	370
97108	Bus Drivers, Transit/Intercity	3,050	3,490	440	14.4	40	60
97111	Bus Drivers, School	11,030	12,210	1,180	10.7	120	200
97114	Taxi Drivers & Chauffeurs	2,290	2,600	310	13.5	30	40
97117	Driver/Sales Workers	7,050	7,250	200	2.8	20	140
97199	Motor Vehicle Operators, NEC.....	350	290	-60	-17.1	-10	10

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		1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments Total
97302	Railroad Conductors/Yardmasters	740	790	50	6.8	10	30 40
97305	Locomotive Engineers	960	1,160	200	20.8	20	30 50
97308	Rail Yard Engineers/Dinkey Opers/Hostlers	30	20	-10	-33.3	0	0 0
97311	Locomotive Firers	130	70	-60	-46.2	-10	0 0
97314	Subway & Streetcar Operators	20	20	0	0.0	0	0 0
97317	Railroad Brake/Signal/Switch Opers	390	230	-160	-41.0	-20	10 10
97399	Rail Transportation Workers, NEC	20	10	-10	-50.0	0	0 0
97502	Captains, Water Vessels	790	860	70	8.9	10	30 40
97505	Mates: Ship/Boat/Barge	210	220	10	4.8	0	10 10
97508	Pilots, Ship	110	120	10	9.1	0	0 0
97511	Motorboat Operators	40	50	10	25.0	0	0 0
97514	Seamen, Able	110	110	0	0.0	0	0 0
97517	Seamen, Ordinary & Maine Oilers	110	110	0	0.0	0	0 0
97521	Ship Engineers.....	60	70	10	16.7	0	0 0
97702	Aircraft Pilots/Flight Engineers	2,450	2,320	-130	-5.3	-10	50 50
97802	Bridge/Lock/Lighthouse Tenders	60	50	-10	-16.7	0	0 0
97805	Service Station Attendants.....	3,130	3,130	0	0.0	0	140 140
97808	Parking Lot Attendants.....	2,160	2,810	650	30.1	70	40 110
97899	Transportation Workers, NEC	1,760	1,940	180	10.2	20	30 50
97905	Tank Car & Truck Loaders	50	50	0	0.0	0	0 0
97914	Main Line Station Engineers	30	30	0	0.0	0	0 0
97917	Gas Pumping Station Operators	30	30	0	0.0	0	0 0
97921	Gas Compressor Operators	50	50	0	0.0	0	0 0
97923	Excavation/Loading Mach Opers	2,730	3,380	650	23.8	70	50 120
97926	Dragline Operators.....	60	70	10	16.7	0	0 0
97928	Dredge Operators/Dipper Tenders.....	70	70	0	0.0	0	0 0
97932	Loading Mach Opers, Mining	80	80	0	0.0	0	0 0
97938	Grader/Bulldozer/Scraper Opers	1,470	1,710	240	16.3	20	10 30
97941	Hoist & Winch Operators	330	350	20	6.1	0	10 10
97944	Crane & Tower Operators	720	800	80	11.1	10	20 30
97947	Industrial Truck & Tractor Opers	11,770	12,980	1,210	10.3	120	140 260
97951	Conveyor Operators/Tenders.....	840	910	70	8.3	10	20 30
97953	Pump Operators.....	280	270	-10	-3.6	0	10 10
97956	Operating Engineers	2,840	3,260	420	14.8	40	50 90
97989	Material Moving Equip Opers, NEC	2,060	2,350	290	14.1	30	50 80
97999	Transp/Material Moving Equip Opers, NEC ...	550	630	80	14.6	10	10 20
98102	Mechanic & Repairer Helpers	3,440	3,770	330	9.6	30	160 190
98311	Brick/Stone Mason Helpers	1,670	1,900	230	13.8	20	80 100
98312	Carpenters/Related Helpers	4,300	4,920	620	14.4	60	200 260
98313	Electricians/Related Helpers	540	500	-40	-7.4	0	30 30
98314	Painters/Paperhangers Helpers	510	560	50	9.8	10	20 30
98315	Plumbers/Related Helpers	1,350	1,470	120	8.9	10	60 70
98316	Roofers Helpers	380	460	80	21.1	10	20 30
98319	Construction Trades Helpers, NEC	2,450	2,730	280	11.4	30	110 140
98323	Extractive Workers Helpers.....	220	220	0	0.0	0	10 10
98502	Machine Feeders & Offbearers	4,250	4,290	40	0.9	0	130 130
98702	Stevedores, Exc Equip Operators.....	60	60	0	0.0	0	0 0
98705	Refuse/Recyclable Material Collectors	1,070	1,050	-20	-1.9	0	40 40
98799	Freight/Stock/Movers, Hand, NEC	20,260	20,410	150	0.7	20	740 760
98902	Hand Packers & Packagers	18,600	22,050	3,450	18.6	350	460 810
98905	Cleaners of Vehicles/Equipment	4,930	5,510	580	11.8	60	160 220
98999	Helpers/Laborers/Movers, NEC	22,590	23,940	1,350	6.0	140	700 840

Detailed occupational data may not sum to totals due to suppression.

NEC: Not Elsewhere Classified

M/P: Metal or Plastic

Occupations that are the fastest growing, have the largest projected growth, or have the most annual openings are featured in this report. Tables listing the top 50 occupations in these three categories appear on pages 38-40.

Fastest growing occupations

The growth rates for the fastest growing occupations range from an increase of 82.1 percent for computer scientists to 27.3 percent for post-secondary social work teachers. More than half of the occupations on this list require an associate's degree or higher education.

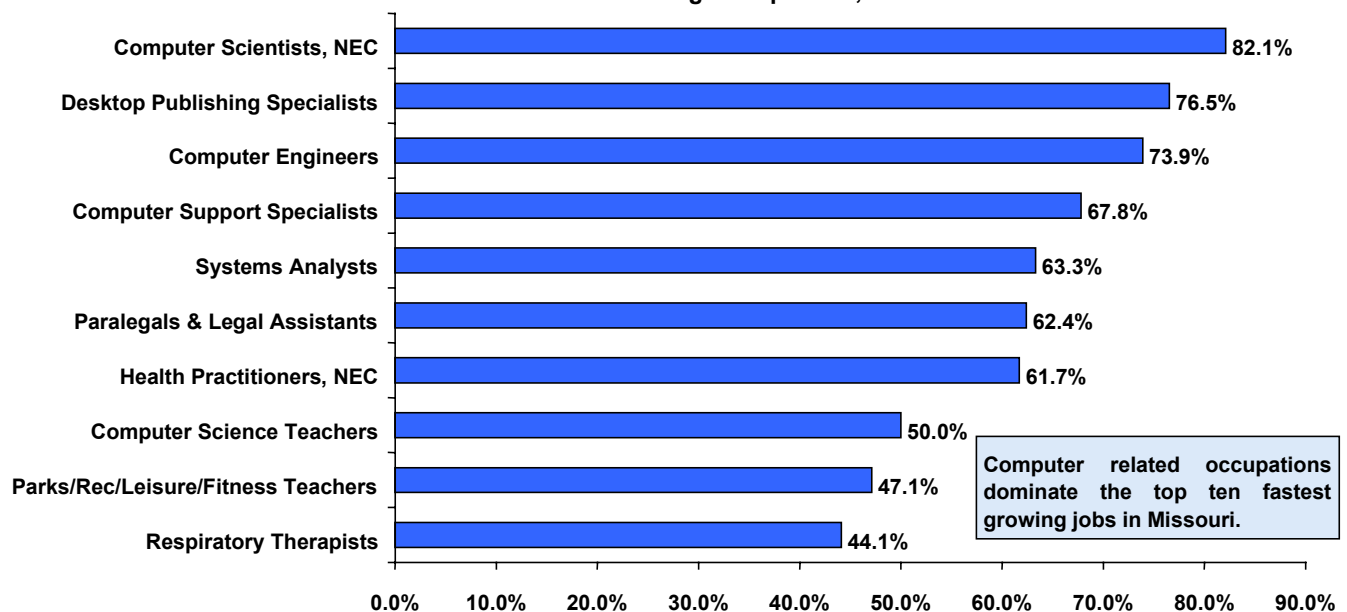
Six of the ten fastest growing occupations in Missouri are computer-related (see chart 8). Two of these - computer support specialists and systems analysts - appear on all three lists. The fast growth in computer-related jobs reflects the ongoing and rapid development of computer technology across all industries, including the continuing development of the Internet.

Many of the 50 fastest growing occupations are related to health services. An aging population requiring more medical care along with advances in medical technology will continue to fuel the demand for health care occupations. Jobs such as health service technicians, aides, and assistants will grow as they assume duties formerly performed by more highly paid health care workers.

Educational services occupations on the list include several post-secondary teaching occupations. Emphasis on continuing adult education is a contributing factor to this increase.

Fast growth does not always translate into a large number of job opportunities. The jobs on the fastest growing list account for only 22 percent of the projected employment growth by 2008. Less than 50 annual openings are expected for some of these fast growing occupations.

Chart 8
Missouri's Ten Fastest Growing Occupations, 1998-2008



Occupations with the largest growth

Occupations on this list account for about 63 percent of the projected employment growth by 2008. Although some of the fastest growing jobs do appear on this list, occupations with average or even below average growth rates are also found here.

Occupations on this list require more diverse levels of education and training. About 30 percent of the positions require an associate's degree or higher education. In contrast, short-term on-the-job training is required for about 44 percent of the jobs on the list.

The jobs on this list also come from a broader range of occupational groups. But health services positions are still well represented. Registered nurses and nursing aides and attendants are among the occupations with the largest expected growth (see chart 9).

Several educational services occupations are also found on this list. Efforts to reduce

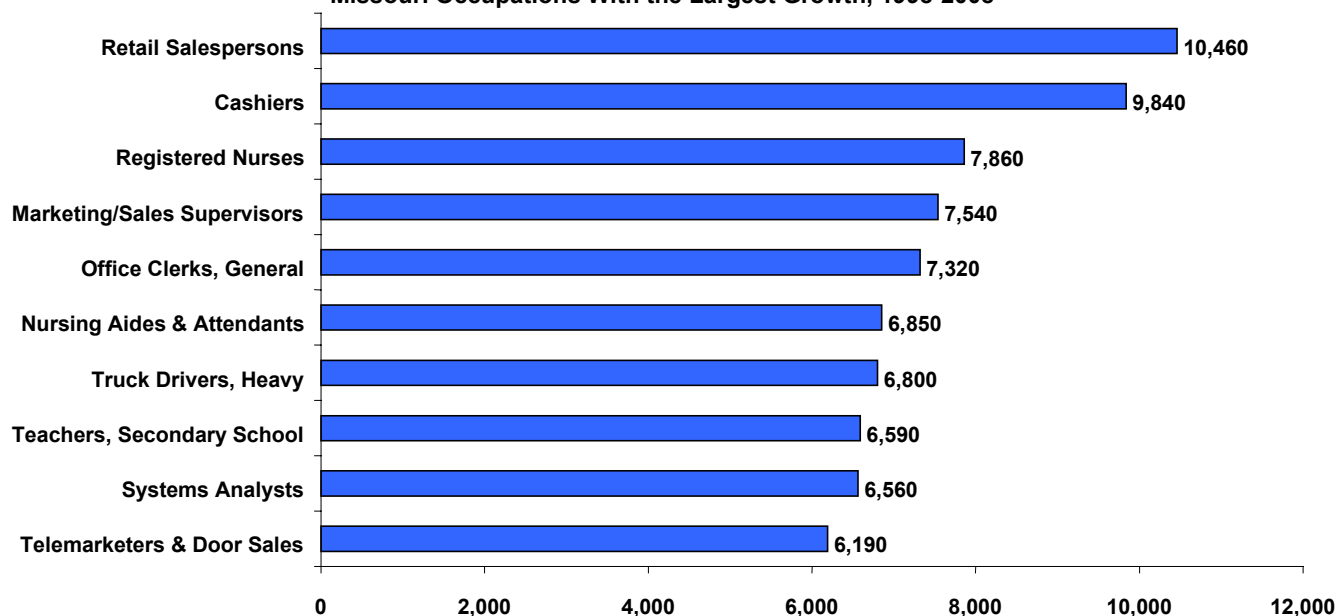
classroom size and to fulfill special education needs are two factors contributing to the growth in elementary, secondary, and special education teachers and teacher aides and assistants.

Occupations with the most openings

This category includes many of the occupations on the largest growth list. It also contains some that have low or declining growth because most job openings are due to replacement needs. Replacement openings occur when workers change occupations, retire, or leave the labor force for other reasons.

Replacement openings provide job opportunities even in occupations that are not expected to grow. For instance, three clerical positions – secretaries, bookkeeping clerks, and bank tellers – are on the list even though the employment for these occupations is projected to decline by 2008. Almost half of the occupations on this list require short-term on-the-job training.

Chart 9
Missouri Occupations With the Largest Growth, 1998-2008



Missouri

Occupational Rankings

Ranked by Percent Change

Title	Employment*		Change		Total Annual Openings	Education & Training Level**
	1998 Estimated	2008 Projected	1998-2008 Number	Percent		
Computer Scientists, NEC***	1,840	3,350	1,510	82.1	160	05
Desktop Publishing Specialists	510	900	390	76.5	50	09
Computer Engineers	3,560	6,190	2,630	73.9	280	05
Computer Support Specialists	8,070	13,540	5,470	67.8	600	06
Systems Analysts	10,370	16,930	6,560	63.3	720	05
Paralegals & Legal Assistants	1,780	2,890	1,110	62.4	130	06
Health Practitioners, NEC	600	970	370	61.7	50	01
Computer Science Teachers, Postsecondary	480	720	240	50.0	30	02
Parks/Rec/Leisure/Fitness Studies Teachers	170	250	80	47.1	20	02
Respiratory Therapists	2,130	3,070	940	44.1	120	06
Health Diagnostics Teachers, Postsecondary	710	1,020	310	43.7	50	02
Medical Assistants	5,330	7,600	2,270	42.6	360	10
Cardiology Technologists/Technicians	470	670	200	42.6	30	06
Database Administrators	1,780	2,530	750	42.1	110	05
Health Specialties Teachers, Postsecondary	550	780	230	41.8	40	02
Therapists, NEC	670	940	270	40.3	40	05
Financial Analysts, Statistical	1,020	1,420	400	39.2	60	05
Securities/Finance Serv Sales Agents	5,920	8,230	2,310	39.0	280	05
Surgical Technologists	1,450	2,000	550	37.9	100	07
Sheriffs & Deputy Sheriffs	1,650	2,270	620	37.6	80	09
Communications Teachers, Postsecondary	320	440	120	37.5	20	02
Lawn Service Managers	1,250	1,700	450	36.0	60	08
Physician Assistants	1,260	1,710	450	35.7	70	05
Telemarketers/Door Sales/Related Workers	17,480	23,670	6,190	35.4	1,070	10
Police Patrol Officers	8,830	11,950	3,120	35.3	550	09
Extruding/Forming Mach Opers/Tenders	170	230	60	35.3	10	10
Speech Pathologists/Audiologists	2,350	3,170	820	34.9	120	03
Social Workers, Medical/Psychiatric	5,150	6,910	1,760	34.2	250	03
Correctional Officers	7,590	10,160	2,570	33.9	470	09
Teachers, Special Education	8,570	11,430	2,860	33.4	360	05
Personal/Home Care Aides	7,100	9,450	2,350	33.1	430	11
Home Health Aides	7,590	10,100	2,510	33.1	360	11
Teacher Aides, Paraprofessional	14,110	18,650	4,540	32.2	610	11
Dental Assistants	4,680	6,180	1,500	32.1	220	10
Physical Therapy Assistants/Aides	2,100	2,760	660	31.4	120	06
Farm Workers, Farm/Ranch Animals	290	380	90	31.0	20	11
Medical Records/Health Info Technicians	2,160	2,830	670	31.0	120	06
Life Sciences Teachers, Postsecondary	840	1,100	260	31.0	50	02
Mobile Home Repairers	680	890	210	30.9	40	09
Health Professionals/Paraprofess, NEC	8,880	11,620	2,740	30.9	490	06
Parking Lot Attendants	2,160	2,810	650	30.1	110	11
Social Workers, Exc Medical/Psychiatric	4,210	5,470	1,260	29.9	180	05
Dental Hygienists	2,010	2,610	600	29.9	110	06
Teacher Aides/Educational Assistants	10,020	12,990	2,970	29.6	420	11
Pruners	510	660	150	29.4	40	11
Sheet Metal Duct Installers	960	1,240	280	29.2	60	10
Occupational Therapy Assistants/Aides	600	770	170	28.3	40	06
Police Detectives	1,060	1,360	300	28.3	60	08
Engineer/Nat Sci/Computer/Info Sys Mgrs	5,770	7,370	1,600	27.7	260	04
Social Work Teachers, Postsecondary	110	140	30	27.3	0	02

*Occupations with less than 100 employment in 1998 are not included.

**Refer to page 6 for definitions of education and training levels.

***NEC: not elsewhere classified

Missouri

Occupational Rankings

Ranked by Numeric Change

Title	Employment		Change		Total Annual Openings	Education & Training Level
	1998 Estimated	2008 Projected	1998-2008 Number	Percent		
Retail Salespersons.....	82,280	92,740	10,460	12.7	3,840	11
Cashiers.....	62,960	72,800	9,840	15.6	3,720	11
Registered Nurses	49,340	57,200	7,860	15.9	1,600	06
Marketing/Sales Supervisors	71,840	79,380	7,540	10.5	1,690	08
Office Clerks, General	60,600	67,920	7,320	12.1	2,410	11
Nursing Aides/Orderlies/Attendants	37,520	44,370	6,850	18.3	1,210	11
Truck Drivers, Heavy	42,420	49,220	6,800	16.0	1,290	11
Teachers, Secondary School	30,080	36,670	6,590	21.9	1,620	05
Systems Analysts	10,370	16,930	6,560	63.3	720	05
Telemarketers/Door Sales/Related Workers	17,480	23,670	6,190	35.4	1,070	10
General Managers & Top Execs	48,740	54,250	5,510	11.3	1,400	04
Computer Support Specialists	8,070	13,540	5,470	67.8	600	06
Office/Admin Support Supervisors/Mgrs	34,540	39,250	4,710	13.6	1,250	08
Teacher Aides, Paraprofessional	14,110	18,650	4,540	32.2	610	11
Waiters & Waitresses	44,490	48,890	4,400	9.9	2,890	11
Truck Drivers, Light.....	25,770	30,160	4,390	17.0	810	11
Reception & Information Clerks.....	24,510	28,660	4,150	16.9	890	11
Child Care Workers	15,360	19,240	3,880	25.3	540	11
Teachers, Elementary School	35,100	38,970	3,870	11.0	1,200	05
Social/Human Service Assistants.....	13,410	16,950	3,540	26.4	700	10
Hand Packers & Packagers.....	18,600	22,050	3,450	18.6	810	11
Laborers, Landscaping/Groundskeeping.....	16,080	19,470	3,390	21.1	820	11
Food Prep/Service Workers, Fast Food	41,370	44,670	3,300	8.0	2,610	11
Service Supervisors/Mgrs, NEC	15,750	18,950	3,200	20.3	680	08
Police Patrol Officers	8,830	11,950	3,120	35.3	550	09
Janitors & Cleaners	42,090	45,130	3,040	7.2	1,210	11
Teacher Aides/Educational Assistants	10,020	12,990	2,970	29.6	420	11
Adjustment Clerks.....	12,030	14,940	2,910	24.2	370	11
Teachers, Special Education.....	8,570	11,430	2,860	33.4	360	05
Health Professionals/Paraprofess, NEC.....	8,880	11,620	2,740	30.9	490	06
Computer Engineers.....	3,560	6,190	2,630	73.9	280	05
Cooks, Restaurant.....	18,550	21,170	2,620	14.1	740	09
Correctional Officers.....	7,590	10,160	2,570	33.9	470	09
Machine Operators/Tenders, NEC	10,310	12,870	2,560	24.8	410	10
Home Health Aides.....	7,590	10,100	2,510	33.1	360	11
Amusement/Recreation Attendants.....	10,190	12,680	2,490	24.4	440	11
Personal/Home Care Aides	7,100	9,450	2,350	33.1	430	11
Securities/Finance Serv Sales Agents	5,920	8,230	2,310	39.0	280	05
Maids & Housekeeping Cleaners	23,060	25,340	2,280	9.9	660	11
Medical Assistants	5,330	7,600	2,270	42.6	360	10
Carpenters	25,440	27,690	2,250	8.8	910	09
Automotive Mechanics/Service Technicians	17,890	20,100	2,210	12.4	670	07
Teachers, Preschool.....	7,810	9,870	2,060	26.4	380	05
Lawyers	9,790	11,810	2,020	20.6	310	01
Physicians and Surgeons	11,870	13,830	1,960	16.5	390	01
First Line Supervisors: Construct/Extract	11,240	13,060	1,820	16.2	480	08
Social Workers, Medical/Psychiatric.....	5,150	6,910	1,760	34.2	250	03
Guards	15,050	16,800	1,750	11.6	560	11
Cooks, Fast Food	11,870	13,580	1,710	14.4	480	11
Clergy.....	13,760	15,460	1,700	12.4	440	01

Missouri

Occupational Rankings

Ranked by Total Openings

Title	Employment		Change		Total Annual Openings	Education Training Level
	1998 Estimated	2008 Projected	1998-2008 Number	Percent		
Retail Salespersons.....	82,280	92,740	10,460	12.7	3,840	11
Cashiers.....	62,960	72,800	9,840	15.6	3,720	11
Waiters & Waitresses	44,490	48,890	4,400	9.9	2,890	11
Food Prep/Service Workers, Fast Food	41,370	44,670	3,300	8.0	2,610	11
Office Clerks, General	60,600	67,920	7,320	12.1	2,410	11
Marketing/Sales Supervisors	71,840	79,380	7,540	10.5	1,690	08
Teachers, Secondary School	30,080	36,670	6,590	21.9	1,620	05
Registered Nurses	49,340	57,200	7,860	15.9	1,600	06
Food Preparation Workers	23,450	24,810	1,360	5.8	1,430	11
General Managers & Top Execs	48,740	54,250	5,510	11.3	1,400	04
Truck Drivers, Heavy	42,420	49,220	6,800	16.0	1,290	11
Office/Admin Support Supervisors/Mgrs	34,540	39,250	4,710	13.6	1,250	08
Nursing Aides/Orderlies/Attendants	37,520	44,370	6,850	18.3	1,210	11
Janitors & Cleaners	42,090	45,130	3,040	7.2	1,210	11
Teachers, Elementary School	35,100	38,970	3,870	11.0	1,200	05
Telemarketers/Door Sales/Related Workers	17,480	23,670	6,190	35.4	1,070	10
Carpenters	25,440	27,690	2,250	8.8	910	09
Reception & Information Clerks	24,510	28,660	4,150	16.9	890	11
Secretaries, Exc Legal or Medical	52,400	51,080	-1,320	-2.5	860	10
Helpers/Laborers/Movers, NEC.....	22,590	23,940	1,350	6.0	840	11
Laborers, Landscaping/Groundskeeping.....	16,080	19,470	3,390	21.1	820	11
Truck Drivers, Light.....	25,770	30,160	4,390	17.0	810	11
Hand Packers & Packers.....	18,600	22,050	3,450	18.6	810	11
Sales Reps, Mfg and Wholesale	27,100	28,360	1,260	4.7	790	10
Freight/Stock/Movers, Hand, NEC	20,260	20,410	150	0.7	760	11
Cooks, Restaurant	18,550	21,170	2,620	14.1	740	09
Assemblers/Fab, Exc Mach/Elec/Prec	35,210	36,180	970	2.8	730	11
Systems Analysts	10,370	16,930	6,560	63.3	720	05
Bookkeeping/Accounting/Auditing Clerks.....	38,190	35,550	-2,640	-6.9	710	10
Counter Attendants/Lunchroom/Cafeteria.....	7,820	8,380	560	7.2	710	11
Social/Human Service Assistants.....	13,410	16,950	3,540	26.4	700	10
Maintenance Repairers, General Utility.....	24,610	26,010	1,400	5.7	690	09
Service Supervisors/Mgrs, NEC	15,750	18,950	3,200	20.3	680	08
Automotive Mechanics/Service Technicians	17,890	20,100	2,210	12.4	670	07
Maids & Housekeeping Cleaners	23,060	25,340	2,280	9.9	660	11
Teacher Aides, Paraprofessional	14,110	18,650	4,540	32.2	610	11
Computer Support Specialists	8,070	13,540	5,470	67.8	600	06
Counter & Rental Clerks	10,250	11,780	1,530	14.9	590	11
Bank Tellers	13,720	12,580	-1,140	-8.3	590	11
Managers & Administrators, NEC.....	25,600	26,760	1,160	4.5	570	04
Guards	15,050	16,800	1,750	11.6	560	11
Police Patrol Officers	8,830	11,950	3,120	35.3	550	09
Child Care Workers	15,360	19,240	3,880	25.3	540	11
Licensed Practical/Voc Nurses	16,110	17,630	1,520	9.4	500	07
Health Professionals/Paraprofess, NEC.....	8,880	11,620	2,740	30.9	490	06
First Line Supervisors: Mechanics/Repair	12,580	13,740	1,160	9.2	490	08
Cooks, Fast Food	11,870	13,580	1,710	14.4	480	11
First Line Supervisors: Construct/Extract	11,240	13,060	1,820	16.2	480	08
Correctional Officers	7,590	10,160	2,570	33.9	470	09
First Line Supervisors: Production/Opers.....	15,880	16,090	210	1.3	470	08

Gateway Careers 1998-2008: Emerging Occupations, Essential Skills

As we move into the 21st century, the connection between well paying jobs and skills has never been more apparent. In today's economy, workers with marketable skills are able to be more competitive in the labor market. These high-skill workers are finding employment in occupations characterized by job security, advancement opportunities and high wages - what we call Gateway Careers.

Gateway Careers are those occupations that pay well, are in demand and require a high degree of skill. Emerging occupations are defined as possessing both well above average wages and well above average job growth over ten years. Essential skills are defined as skills of high importance and high proficiency required for these emerging occupations. Essential knowledge domains are defined as organized sets of principles and facts of high importance and high proficiency required for these emerging occupations. Occupations, skills and knowledge domains were included if they were 1.0 or more standard deviation above the mean for all occupations, usually placing them in the top 30th percentile.

Missouri's top emerging occupations were:

- Systems Analysts
- Computer Engineers
- Securities/Commodities/Finance Services Agents
- Engineering/Natural Science/Computer/Information Systems Managers

Essential skills for Missouri's emerging occupations were:

- Critical Thinking
- Active Learning
- Reading Comprehension
- Writing
- Science
- Speaking

Essential knowledge domains for Missouri's emerging occupations were:

- Computers and Electronics
- Administration and Management
- Mathematics
- Economics and Accounting

Emerging occupations possess both well above average wages and well above average job growth between 1998 and 2008. Occupations with the largest number of annual openings and the largest employment base in 1998 were Systems Analysts, Computer Engineers, Securities/Commodities/Finance Services Agents, and Engineering/Natural Science/Computer/Information Systems Managers.

Occupations with the fastest percent change growth were Computer Scientists, Computer Engineers, and Systems Analysts.

Occupations with the highest average hourly wage were Postsecondary Health Diagnostics Teachers, Engineering/Natural Science/Computer/Information Systems Managers, Systems Analysts, and Computer Engineers.

In addition, most emerging occupations required some type of higher education, usually a bachelor's degree or more.

Emerging Occupations in Missouri, 1998-2008

Occupations with high growth and high wages.

Threshold is 1.0 or more standard deviation above the mean.

EMERGING OCCUPATIONS	EMPLOYMENT AND WAGES					
	Annual Openings 1998-2008	Employment 1998	Employment 2008	Percent Change	Hourly Wage	Required Education and Experience
Systems Analysts	720	10,370	16,930	63.3%	\$26.63	Bachelor's
Computer Engineers	280	3,560	6,190	73.9%	\$26.45	Bachelor's
Securities/Comdts/Finance Serv Sales Agents	280	5,920	8,230	39.0%	\$24.33	Bachelor's
Engr/Nat Sci/Computer/Info Systems Mgrs	260	5,770	7,370	27.7%	\$33.49	Bachelor's + Work Exp
Computer Scientists, NEC	160	1,840	3,350	82.1%	\$22.59	Bachelor's
Speech Pathologts/Audiologists	120	2,350	3,170	34.9%	\$19.33	Master's
Database Administrators	110	1,780	2,530	42.1%	\$25.05	Bachelor's
Dental Hygienists	110	2,010	2,610	29.9%	\$19.36	Associate's
Physician Assistants	70	1,260	1,710	35.7%	\$20.24	Bachelor's
Financial Analysts, Statistical	60	1,020	1,420	39.2%	\$23.99	Bachelor's
Sheet Metal Duct Installers	60	960	1,240	29.2%	\$19.52	Moderate-term OJT
Health Diagnostics Teachers, Postsecondary	50	710	1,020	43.7%	\$35.70	Doctoral

Source: Analysis of Occupational Employment Statistics by MERIC, MO Department of Economic Development.

Skills are considered essential if they are of high importance and require high proficiency in the emerging occupations. Essential skills for Missouri's emerging occupations were:

- **Critical Thinking** - Using logic and analysis to identify the strengths and weaknesses of different approaches.
- **Active Learning** - Understanding and working with new material or information to grasp its implications.

- **Reading Comprehension** - Understanding written sentences and paragraphs in work related documents.
- **Writing** - Communicating effectively with others in writing as indicated by the needs of the audience.
- **Science** - Using scientific methods to solve problems.
- **Speaking** - Talking to others to effectively convey information.

Occupations that require the most diversified number of essential skills were Securities/Commodities/Finance Services Agents, Speech Pathologist/Audiologists, and Postsecondary Health Diagnostics Teachers.

Essential Skills for Emerging Occupations

Skills of high importance and high proficiency required for the occupation.
Threshold is 1.0 or more standard deviation above the mean.

SKILLS	EMERGING OCCUPATIONS											
	Systems Analysts	Computer Engineers	Securities/Comdts/ Finance Serv Agents	Engr/Nat Sci/Computer/Info Systems Mgrs	Computer Scientists, NEC	Speech Pathologts/Audiologists	Database Administrators	Dental Hygienists	Physician Assistants	Financial Analysts, Statistical	Sheet Metal Duct Installers	Health Diagnostics Teachers, Postsecondary
Reading Comprehension	X			X		X			X	X		X
Active Listening			X			X			X			X
Writing	X		X	X	X	X						X
Speaking			X	X		X			X			X
Mathematics		X	X				X			X		
Science		X			X	X		X	X			X
Critical Thinking		X	X	X		X			X	X		X
Active Learning		X	X	X		X			X	X		X
Learning Strategies			X		X	X						X
Monitoring			X	X								X

Source: Analysis of Occupational Employment Statistics and O*NET by MERIC, MO Department of Economic Development.

Knowledge domains are considered essential if they are of high importance and require high proficiency in the emerging occupations. Knowledge domains are organized sets of principles and facts applying in general domains, usually corresponding to academic programs. Essential knowledge domains for Missouri's emerging occupations were:

- ***Computers and Electronics*** - Knowledge of electric circuit boards, processors, chips, and computer hardware and software, including applications and programming.
- ***Administration and Management*** - Knowledge of principles and processes involved in business and organizational planning, coordination, and execution. This includes strategic planning, resource allocation, manpower modeling, leadership techniques, and production methods.
- ***Mathematics*** - Knowledge of numbers, their operations, and interrelationships including arithmetic, algebra, geometry, calculus, statistics, and their applications.
- ***Economics and Accounting*** - Knowledge of economic and accounting principles and practices, the financial markets, banking, and the analysis and reporting of financial data.

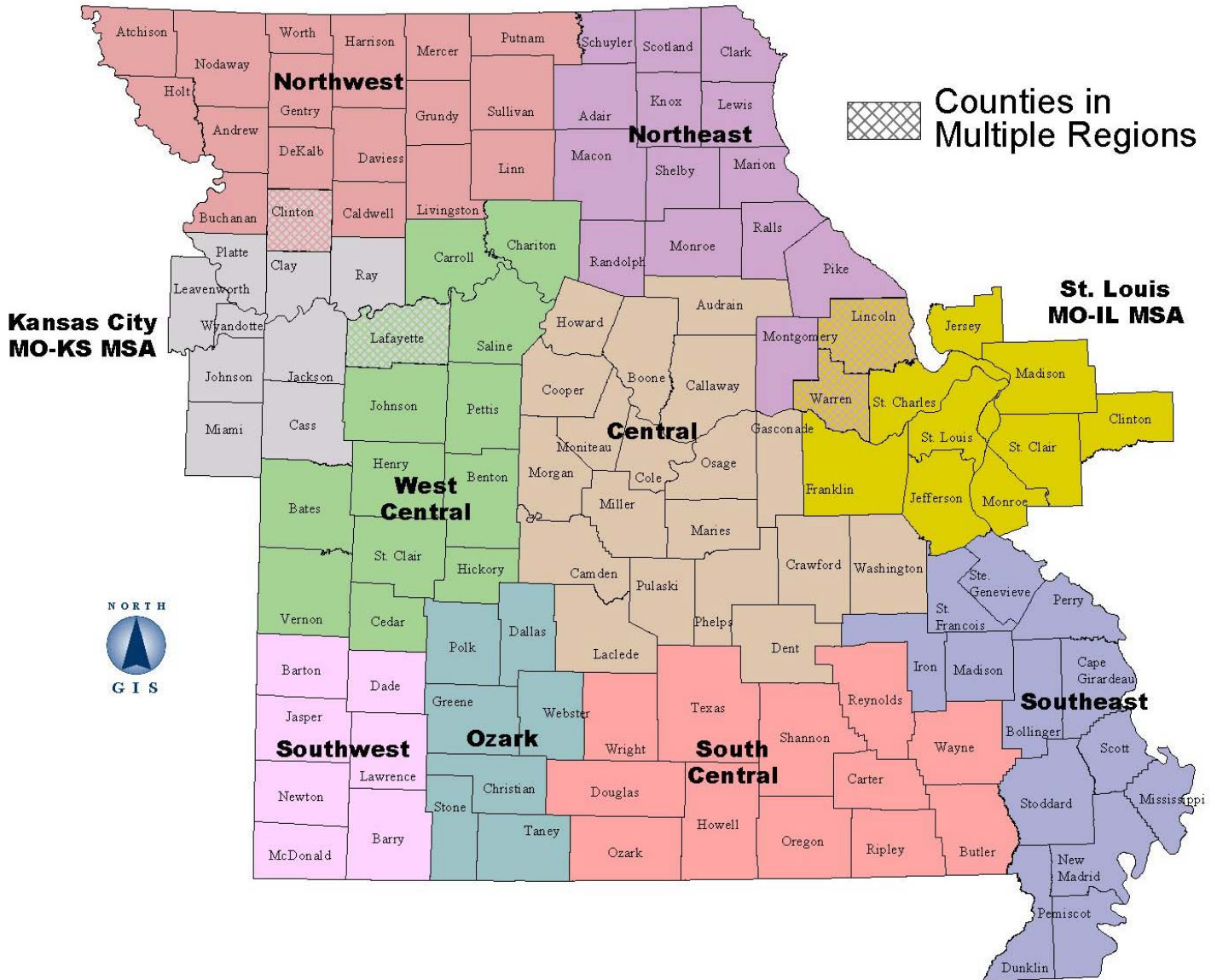
Occupations that require the most diversified number of essential knowledge domains were Computer Engineers, Postsecondary Health Diagnostics Teachers, and Engineering/Natural Science/Computer/Information Systems Managers.

Essential Knowledge Domains for Emerging Occupations

Knowledge domains of high importance and high proficiency required for the occupation.
Threshold is 1.0 or more standard deviation above the mean.

KNOWLEDGE DOMAINS	EMERGING OCCUPATIONS											
	Systems Analysts	Computer Engineers	Securities/Comdts/ Finance Serv Agents	Engr/Nat Sci/Computer/Info Systems Mgrs	Computer Scientists, NEC	Speech Pathologists/Audiologists	Database Administrators	Dental Hygienists	Physician Assistants	Financial Analysts, Statistical	Sheet Metal Duct Installers	Health Diagnostics Teachers, Postsecondary
Administration & Management		X		X	X	X	X					X
Clerical		X										
Economics & Accounting		X	X	X		X				X		
Sales & Marketing			X									
Customer & Personal Service		X										
Personnel & Human Resources				X		X						
Transportation												
Production & Processing											X	
Food Production												
Computers & Electronics	X	X		X	X		X			X	X	
Engineering & Technology		X		X								
Design		X									X	
Building & Construction											X	
Mechanical											X	
Mathematics		X	X	X						X		X
Physics												
Chemistry									X			X
Biology						X		X	X			X
Psychology				X					X			X
Sociology & Anthropology												X
Geography												
Medicine & Dentistry						X		X	X			X
Therapy & Counseling						X			X			X
Education & Training	X	X				X						X
English Language				X		X						X
Foreign Language						X						
Fine Arts												
History & Archeology												
Philosophy & Theology												
Public Safety & Security												
Law & Government				X						X		
Telecommunications	X	X		X								
Communications & Media		X										X

Source: Analysis of Occupational Employment Statistics and O*NET by MERIC, MO Department of Economic Development.



Clinton County is in both the Northwest Region and the Kansas City MO-KS MSA.

Lafayette County is in both the West Central Region and the Kansas City MO-KS MSA.

Lincoln and Warren Counties are in both the Northeast Region and the St. Louis MO-IL MSA.

Regions

Counties by Region

Kansas City MO-KS

MSA

Missouri Counties

Cass

Clay

Clinton

Jackson

Lafayette

Platte

Ray

Kansas Counties

Johnson

Leavenworth

Miami

Wyandotte

St. Louis MO-IL

MSA

Missouri Counties

Franklin

Jefferson

Lincoln

St. Charles

St. Louis City

St. Louis County

Warren

Illinois Counties

Clinton

Jersey

Madison

Monroe

St. Clair

Central Region

Audrain

Boone

Callaway

Camden

Cole

Cooper

Crawford

Dent

Gasconade

Howard

Central cont.

Laclede

Maries

Miller

Moniteau

Morgan

Osage

Phelps

Pulaski

Washington

Northeast Region

Adair

Clark

Knox

Lewis

Lincoln

Macon

Marion

Monroe

Montgomery

Pike

Ralls

Randolph

Schuyler

Scotland

Shelby

Warren

Northwest Region

Andrew

Atchison

Buchanan

Caldwell

Clinton

Daviess

DeKalb

Gentry

Grundy

Harrison

Holt

Linn

Livingston

Mercer

Northwest cont.

Nodaway

Putnam

Sullivan

Worth

Ozark Region

Christian

Dallas

Greene

Polk

Stone

Taney

Webster

South Central Region

Butler

Carter

Douglas

Howell

Oregon

Ozark

Reynolds

Ripley

Shannon

Texas

Wayne

Wright

Southeast Region

Bollinger

Cape Girardeau

Dunklin

Iron

Madison

Mississippi

New Madrid

Pemiscot

Perry

Ste. Genevieve

St. Francois

Scott

Stoddard

Southwest Region

Barry

Barton

Dade

Jasper

Lawrence

McDonald

Newton

West Central

Bates

Benton

Carroll

Cedar

Chariton

Henry

Hickory

Johnson

Lafayette

Pettis

St Clair

Saline

Vernon

Regions

Industry Employment

Kansas City MO-KS MSA Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage And Salary Employment.....	944,510	1,077,600	133,090	14.1
Goods-Producing Industries	155,900	164,130	8,230	5.3
Mining & Quarrying	760	780	20	2.6
Construction	47,150	55,680	8,530	18.1
Manufacturing	107,990	107,670	-320	-0.3
Service-Producing Industries.....	788,610	913,470	124,860	15.8
Transportation, Communications, & Utilities	77,930	90,600	12,670	16.3
Wholesale Trade	65,190	69,440	4,250	6.5
Retail Trade	166,100	189,540	23,440	14.1
Finance, Insurance, & Real Estate	67,830	75,890	8,060	11.9
Services	344,000	413,220	69,220	20.1
Government, exc Hospitals & Schools	67,560	74,780	7,220	10.7

St. Louis MO-IL MSA Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	1,307,940	1,429,480	121,540	9.3
Goods-Producing Industries	263,340	262,080	-1,260	-0.5
Mining & Quarrying	1,610	1,640	30	1.9
Construction	66,490	74,630	8,140	12.2
Manufacturing	195,240	185,810	-9,430	-4.8
Service-Producing Industries.....	1,044,600	1,167,400	122,800	11.8
Transportation, Communications, & Utilities	84,370	86,790	2,420	2.9
Wholesale Trade	72,740	76,570	3,830	5.3
Retail Trade	235,960	256,390	20,430	8.7
Finance, Insurance, & Real Estate	82,440	91,100	8,660	10.5
Services	488,850	570,150	81,300	16.6
Government, exc. Hospitals & Schools	80,240	86,400	6,160	7.7

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Industry Employment

Central Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	250,610	287,040	36,430	14.5
Goods-Producing Industries	47,790	51,120	3,330	7.0
Mining & Quarrying	700	630	-70	-10.0
Construction	11,610	13,520	1,910	16.5
Manufacturing.....	35,480	36,970	1,490	4.2
Service-Producing Industries.....	202,820	235,920	33,100	16.3
Transportation, Communications, & Utilities	9260	9880	620	6.7
Wholesale Trade	10,910	12,810	1,900	17.4
Retail Trade	48,090	56,490	8,400	17.5
Finance, Insurance, & Real Estate	10,900	12,830	1,930	17.7
Services.....	86,920	101,330	14,410	16.6
Government, exc Hospitals & Schools	36,740	42,580	5,840	15.9

Northeast Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	78,350	86,460	8,110	10.4
Goods-Producing Industries	19,700	20,970	1,270	6.4
Mining & Quarrying	330	350	20	6.1
Construction	3,670	4,320	650	17.7
Manufacturing.....	15,700	16,300	600	3.8
Service-Producing Industries.....	58,650	65,490	6,840	11.7
Transportation, Communications, & Utilities	3,830	4,090	260	6.8
Wholesale Trade	3,370	3,490	120	3.6
Retail Trade	15,340	17,300	1,960	12.8
Finance, Insurance, & Real Estate	2,900	3,310	410	14.1
Services.....	23,850	27,160	3,310	13.9
Government, exc Hospitals & Schools	9,360	10,140	780	8.3

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Industry Employment

Northwest Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	91,600	98,140	6,540	7.1
Goods-Producing Industries	21,360	21,510	150	0.7
Mining & Quarrying	220	230	10	4.5
Construction	4,140	4,650	510	12.3
Manufacturing.....	17,000	16,630	-370	-2.2
Service-Producing Industries.....	70,240	76,630	6,390	9.1
Transportation, Communications, & Utilities	3,680	3,730	50	1.4
Wholesale Trade	4,320	4,470	150	3.5
Retail Trade	17,950	19,580	1,630	9.1
Finance, Insurance, & Real Estate	4,170	4,260	90	2.2
Services.....	30,420	33,690	3,270	10.7
Government, exc Hospitals & Schools	9,700	10,900	1,200	12.4

Ozark Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	195,340	235,840	40,500	20.7
Goods-Producing Industries	35,420	39,940	4,520	12.8
Mining & Quarrying	180	220	40	22.2
Construction	9,310	12,470	3,160	33.9
Manufacturing.....	25,930	27,250	1,320	5.1
Service-Producing Industries.....	159,920	195,900	35,980	22.5
Transportation, Communications, & Utilities	12,530	15,200	2,670	21.3
Wholesale Trade	12,280	12,450	170	1.4
Retail Trade	43,790	54,820	11,030	25.2
Finance, Insurance, & Real Estate	9,640	12,090	2,450	25.4
Services.....	71,220	88,880	17,660	24.8
Government, exc Hospitals & Schools	10,460	12,460	2,000	19.1

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Industry Employment

South Central Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	59,980	66,750	6,770	11.3
Goods-Producing Industries	16,800	17,000	200	1.2
Mining & Quarrying	540	460	-80	-14.8
Construction	1,940	2,090	150	7.7
Manufacturing.....	14,320	14,450	130	0.9
Service-Producing Industries.....	43,180	49,750	6,570	15.2
Transportation, Communications, & Utilities	2,910	3,280	370	12.7
Wholesale Trade	2,290	2,550	260	11.4
Retail Trade	11,330	12,370	1,040	9.2
Finance, Insurance, & Real Estate	1,840	2,010	170	9.2
Services.....	19,200	22,810	3,610	18.8
Government, exc Hospitals & Schools	5,610	6,730	1,120	20.0

Southeast Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	134,130	146,090	11,960	8.9
Goods-Producing Industries	35,040	35,770	730	2.1
Mining & Quarrying	980	950	-30	-3.1
Construction	5,700	6,430	730	12.8
Manufacturing.....	28,360	28,390	30	0.1
Service-Producing Industries.....	99,090	110,320	11,230	11.3
Transportation, Communications, & Utilities	7,430	8,310	880	11.8
Wholesale Trade	7,670	7,670	0	0.0
Retail Trade	25,760	28,420	2,660	10.3
Finance, Insurance, & Real Estate	4,340	4,540	200	4.6
Services.....	44,120	49,710	5,590	12.7
Government, exc Hospitals & Schools	9,770	11,670	1,900	19.4

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Industry Employment

Southwest Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	110,550	123,400	12,850	11.6
Goods-Producing Industries	36,140	37,980	1,840	5.1
Mining & Quarrying	280	280	0	0.0
Construction	3,780	4,320	540	14.3
Manufacturing.....	32,080	33,380	1,300	4.1
Service-Producing Industries.....	74,410	85,420	11,010	14.8
Transportation, Communications, & Utilities	10,790	11,840	1,050	9.7
Wholesale Trade	4,040	4,620	580	14.4
Retail Trade	20,650	22,990	2,340	11.3
Finance, Insurance, & Real Estate	2,860	3,220	360	12.6
Services.....	30,450	36,660	6,210	20.4
Government, exc Hospitals & Schools	5,620	6,090	470	8.4

West Central Region Major Industries

Industry Title	Employment		Change	
	1998 Estimated	2008 Projected	1998-2008 Number	Percent
Total Non-farm Wage & Salary Employment.....	86,090	91,680	5,590	6.5
Goods-Producing Industries	21,940	22,360	420	1.9
Mining & Quarrying	170	170	0	0.0
Construction	3,380	3,710	330	9.8
Manufacturing.....	18,390	18,480	90	0.5
Service-Producing Industries.....	64,150	69,320	5,170	8.1
Transportation, Communications, & Utilities	3600	3740	140	3.9
Wholesale Trade	3,730	3,600	-130	-3.5
Retail Trade	17,370	18,760	1,390	8.0
Finance, Insurance, & Real Estate	3,340	3,570	230	6.9
Services.....	26,620	29,480	2,860	10.7
Government, exc Hospitals & Schools	9,490	10,170	680	7.2

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Kansas City MO-KS MSA Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
73 Business Services.....	67,630	89,800	22,170	32.8
58 Eating & Drinking Places	59,990	73,100	13,110	21.9
82 Educational Services	64,050	75,190	11,140	17.4
87 Engineering & Management Services.....	26,580	36,040	9,460	35.6
80 Health Services.....	83,230	92,010	8,780	10.5
48 Communication.....	27,140	34,990	7,850	28.9
93 Local Government, exc Hospitals & Schools	30,010	35,880	5,870	19.6
17 Special Trade Contractors	32,440	37,790	5,350	16.5
83 Social Services	15,710	20,460	4,750	30.2
42 Trucking And Warehousing.....	19,910	23,030	3,120	15.7
79 Amusement & Recreation Services	16,820	19,920	3,100	18.4
51 Wholesale Trade - Nondurable Goods.....	25,220	27,430	2,210	8.8

St. Louis MO-IL MSA Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
73 Business Services.....	84,600	107,500	22,900	27.1
80 Health Services.....	123,950	145,770	21,820	17.6
82 Educational Services	106,330	122,000	15,670	14.7
58 Eating & Drinking Places	88,770	98,500	9,730	11.0
83 Social Services	26,960	33,400	6,440	23.9
17 Special Trade Contractors	43,470	49,160	5,690	13.1
93 Local Government, exc Hospitals & Schools	40,430	45,420	4,990	12.3
59 Miscellaneous Retail.....	25,840	30,330	4,490	17.4
75 Auto Repair, Services, & Garages	14,870	19,050	4,180	28.1
61 Nondepository Institutions.....	9,240	12,940	3,700	40.0
86 Membership Organizations	26,920	30,580	3,660	13.6
07 Agricultural Services	7,050	9,510	2,460	34.9

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Top Industries

Central Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
58 Eating & Drinking Places	16,570	20,930	4,360	26.3
80 Health Services.....	25,580	29,680	4,100	16.0
92 State Government, exc Education & Hospitals	22,210	25,560	3,350	15.1
82 Educational Services	27,760	31,000	3,240	11.7
73 Business Services.....	6,510	8,640	2,130	32.7
93 Local Government, exc Education & Hospitals	8,490	10,250	1,760	20.7
55 Auto Dealers & Service Stations.....	7,640	9,240	1,600	20.9
83 Social Services	4,860	6,260	1,400	28.8
17 Special Trade Contractors	6,610	7,990	1,380	20.9
51 Wholesale Trade - Nondurable Goods.....	6,770	8,140	1,370	20.2
35 Industrial Machinery & Equipment	4,730	5,830	1,100	23.3
79 Amusement & Recreation Services	2,310	3,330	1,020	44.2

Northeast Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
82 Educational Services	7,850	9,060	1,210	15.4
58 Eating & Drinking Places	5,260	6,060	800	15.2
80 Health Services.....	6,180	6,810	630	10.2
83 Social Services	2,470	3,100	630	25.5
33 Primary Metal Industries	2,590	3,170	580	22.4
55 Auto Dealers & Service Stations.....	2,880	3,440	560	19.4
17 Special Trade Contractors	1,860	2,310	450	24.2
92 State Government, exc Education & Hospitals	2,690	3,120	430	16.0
37 Transportation Equipment.....	2,400	2,760	360	15.0
53 General Merchandise Stores	2,230	2,550	320	14.3
79 Amusement & Recreation Services	760	1,080	320	42.1
73 Business Services.....	1,320	1,630	310	23.5
93 Local Government, exc Education & Hospitals	5,630	5,940	310	5.5

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Top Industries

Northwest Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
80 Health Services.....	9,950	11,260	1,310	13.2
82 Educational Services	8,270	9,410	1,140	13.8
58 Eating & Drinking Places	6,570	7,490	920	14.0
92 State Government, exc Education & Hospitals	3,660	4,400	740	20.2
93 Local Government, exc Education & Hospitals	4,650	5,090	440	9.5
17 Special Trade Contractors	2,250	2,610	360	16.0
53 General Merchandise Stores	2,780	3,120	340	12.2
73 Business Services.....	2,980	3,230	250	8.4
59 Miscellaneous Retail Stores.....	1,390	1,590	200	14.4
83 Social Services	2,340	2,540	200	8.5
55 Auto Dealers & Service Stations.....	2,950	3,130	180	6.1
35 Industrial Machinery & Equipment	1,880	2,040	160	8.5
42 Trucking & Warehousing.....	1,390	1,550	160	11.5
79 Amusement & Recreation Services	910	1,070	160	17.6

Ozark Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
80 Health Services.....	21,410	27,660	6,250	29.2
58 Eating & Drinking Places	16,360	21,220	4,860	29.7
82 Educational Services	13,470	16,350	2,880	21.4
73 Business Services.....	8,650	11,460	2,810	32.5
17 Special Trade Contractors	5,780	7,810	2,030	35.1
59 Miscellaneous Retail	6,560	8,460	1,900	29.0
42 Trucking & Warehousing.....	5,880	7,370	1,490	25.3
53 General Merchandise Stores	5,710	7,090	1,380	24.2
55 Auto Dealers & Gas Stations	4,780	6,070	1,290	27.0
79 Amusement & Recreation Services	4,780	5,970	1,190	24.9
93 Local Government, exc Education & Hospitals	5,430	6,600	1,170	21.5
15 General Building & Contractors	2,650	3,660	1,010	38.1

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

South Central Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
82 Educational Services	6,120	7,270	1,150	18.8
80 Health Services.....	6,510	7,570	1,060	16.3
93 Local Government, exc Education & Hospitals	2,480	3,140	660	26.6
35 Industrial Machinery & Equipment	1,640	2,270	630	38.4
58 Eating & Drinking Places	3,180	3,780	600	18.9
83 Social Services	1,590	2,110	520	32.7
73 Business Services.....	1,210	1,620	410	33.9
92 State Government, exc Education & Hospitals	1,930	2,320	390	20.2
42 Trucking & Warehousing.....	1,450	1,720	270	18.6
24 Lumber & Wood Products.....	3,050	3,310	260	8.5
53 General Merchandise Stores	2,040	2,260	220	10.8
30 Rubber & Misc. Plastics Products	840	1,000	160	19.0

Southeast Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
80 Health Services.....	16,370	18,330	1,960	12.0
58 Eating & Drinking Places	8,460	9,700	1,240	14.7
82 Educational Services	10,340	11,570	1,230	11.9
83 Social Services	4,030	5,220	1,190	29.5
92 State Government, exc Education & Hospitals	3,280	4,450	1,170	35.7
93 Local Government, exc Education & Hospitals	5,160	5,820	660	12.8
55 Auto Dealers & Gas Stations	4,220	4,780	560	13.3
26 Paper & Allied Products	1,880	2,410	530	28.2
17 Special Trade Contractors	3,320	3,840	520	15.7
53 General Merchandise Stores	4,230	4,740	510	12.1
48 Communications	1,510	2,000	490	32.5
73 Business Services.....	3,820	4,190	370	9.7

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Top Industries

Southwest Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
80 Health Services.....	10,560	13,290	2,730	25.9
82 Educational Services	6,820	8,310	1,490	21.8
58 Eating & Drinking Places	7,230	8,470	1,240	17.2
42 Trucking & Warehousing.....	8,250	9,190	940	11.4
73 Business Services.....	4,270	5,070	800	18.7
25 Furniture & Fixtures	5,350	6,050	700	13.1
34 Fabricated Metal Products	3,130	3,780	650	20.8
53 General Merchandise Stores	3,640	4,230	590	16.2
50 Wholesale Trade - Durable Goods.....	2,320	2,760	440	19.0
17 Special Trade Contractors	2,180	2,590	410	18.8
93 Local Government, exc Education & Hospitals	3,350	3,670	320	9.6
55 Auto Dealers & Service Stations.....	3,220	3,530	310	9.6

West Central Region Industries with the Largest Projected Growth

Industry Code Title	Employment		Change 1998-2008	
	1998 Estimated	2008 Projected	Number	Percent
82 Educational Services	8,840	9,770	930	10.5
83 Social Services	2,100	2,730	630	30.0
58 Eating & Drinking Places	6,250	6,810	560	9.0
93 Local Government, exc Education & Hospitals	4,220	4,740	520	12.3
53 General Merchandise Stores	2,300	2,810	510	22.2
80 Health Services.....	8,170	8,680	510	6.2
55 Auto Dealers & Service Stations.....	2,750	3,010	260	9.5
60 Banking.....	1,890	2,100	210	11.1
17 Special Trade Contractors	1,590	1,780	190	11.9
73 Business Services.....	1,670	1,860	190	11.4
20 Food & Kindred Products.....	4,220	4,400	180	4.3
42 Trucking & Warehousing.....	1,380	1,550	170	12.3
92 State Government, exc Education & Hospitals	3,430	3,600	170	5.0

A more comprehensive list of the regional employment projections is available at the websites: www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Regions

Occupational Employment

Kansas City MO-KS Occupational Groups

Occupational Group	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Total, All Occupations.....	992,110	1,130,220	138,110	13.9	13,829	23,372	37,201
Executive, Admin, Managerial	61,030	70,880	9,850	16.1	988	1,074	2,062
Professional, Paraprofess, & Technical.....	206,510	247,170	40,660	19.7	4,079	4,031	8,110
Marketing & Sales.....	140,000	159,500	19,500	13.9	1,949	3,769	5,718
Administrative Support & Clerical	180,590	193,360	12,770	7.1	1,274	3,694	4,968
Service	153,930	179,210	25,280	16.4	2,523	4,944	7,467
Agricultural Services & Forestry	8,810	10,790	1,980	22.5	200	236	436
Precision Production, Craft & Repair	107,960	121,340	13,380	12.4	1,345	2,595	3,940
Operators, Fabricators & Laborers	133,280	147,970	14,690	11.0	1,471	3,029	4,500

St Louis MO-IL MSA Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Total, All Occupations.....	1,385,610	1,511,750	126,140	9.1	12,639	32,868	45,507
Executive, Admin, Managerial	84,910	92,400	7,490	8.8	755	1,503	2,258
Professional, Paraprofess, & Technical.....	289,180	332,540	43,360	15.0	4,347	5,681	10,028
Marketing & Sales.....	184,150	202,290	18,140	10.0	1,814	4,985	6,799
Administrative Support & Clerical	230,720	238,960	8,240	3.6	821	4,745	5,566
Service	231,510	256,450	24,940	10.8	2,500	7,377	9,877
Agricultural Services, Forestry.....	12,080	14,570	2,490	20.6	249	326	575
Precision Production, Craft & Repair	157,790	167,470	9,680	6.1	966	3,768	4,734
Operators, Fabricators & Laborers	195,270	207,070	11,800	6.0	1,187	4,483	5,670

Central Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Total, All Occupations.....	267,670	305,260	37,590	14.0	3,767	6,348	2,581
Executive, Admin, Managerial	14,940	16,960	2,020	13.5	206	268	62
Professional, Paraprofess, & Technical.....	62,380	73,770	11,390	18.3	1,141	1,268	127
Marketing & Sales.....	32,100	37,200	5,100	15.9	510	902	392
Administrative Support & Clerical	40,930	43,820	2,890	7.1	293	851	558
Service	46,210	54,650	8,440	18.3	853	1,444	591
Agricultural Services, Forestry.....	2,770	3,420	650	23.5	63	71	8
Precision Production, Craft, & Repair	30,110	33,720	3,610	12.0	362	709	347
Operators, Fabricators, & Laborers	38,230	41,720	3,490	9.1	339	835	496

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections

Regions

Occupational Employment

Northeast Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Growth	Openings Replace-ments	Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent			
Total, All Occupations.....	85,280	93,690	8,410	9.9	831	2,039	2,870
Executive, Admin, & Managerial.....	4,520	4,880	360	8.0	36	84	120
Professional, Paraprofess, & Technical.....	16,610	19,000	2,390	14.4	241	338	579
Marketing & Sales.....	10,480	11,740	1,260	12.0	126	292	418
Administrative Support & Clerical.....	11,120	11,440	320	2.9	25	239	264
Service.....	15,020	16,890	1,870	12.5	189	460	649
Agricultural Services, Forestry.....	1,040	1,210	170	16.3	17	27	44
Precision Production, Craft, & Repair.....	10,200	11,290	1,090	10.7	105	239	344
Operators, Fabricators, & Laborers.....	16,290	17,240	950	5.8	92	360	452

Northwest Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Growth	Openings Replace-ments	Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent			
Total, All Occupations.....	99,700	106,460	6,760	6.8	661	2,357	3,018
Executive, Admin, & Managerial.....	5,680	5,940	260	4.6	25	102	127
Professional, Paraprofess, & Technical.....	19,460	22,200	2,740	14.1	261	388	649
Marketing & Sales.....	12,140	13,040	900	7.4	92	325	417
Administrative Support & Clerical.....	14,370	14,420	50	0.3	-3	298	298
Service.....	18,130	19,740	1,610	8.9	164	565	729
Agricultural Services, Forestry.....	1,030	1,140	110	10.7	8	27	35
Precision Production, Craft, & Repair.....	11,540	12,230	690	6.0	70	269	339
Operators, Fabricators, & Laborers.....	17,350	17,750	400	2.3	44	383	427

Ozark Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Growth	Openings Replace-ments	Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent			
Total, All Occupations.....	211,110	254,150	43,040	20.4	4,315	5,080	9,395
Executive, Admin, & Managerial.....	11,980	14,470	2,490	20.8	248	212	460
Professional, Paraprofess, & Technical.....	37,700	47,850	10,150	26.9	1,013	732	1,745
Marketing & Sales.....	32,390	39,240	6,850	21.1	684	891	1,575
Administrative Support & Clerical.....	31,710	36,110	4,400	13.9	435	659	1,094
Service.....	40,210	49,290	9,080	22.6	911	1,295	2,206
Agricultural Services, Forestry.....	1,910	2,410	500	26.2	48	51	99
Precision Production, Craft, & Repair.....	22,680	27,270	4,590	20.2	469	536	1,005
Operators, Fabricators, & Laborers.....	32,530	37,510	4,980	15.3	507	704	1,211

A more comprehensive list of the regional employment projections is available at the websites:
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Regions

Occupational Employment

South Central Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Total, All Occupations.....	67,690	74,600	6,910	10.2	703	1,531	2,234
Executive, Admin, & Managerial.....	3,900	4,300	400	10.3	45	71	116
Professional, Paraprofess, & Technical.....	12,490	14,870	2,380	19.1	234	238	472
Marketing & Sales.....	9,070	9,650	580	6.4	62	234	296
Administrative Support & Clerical.....	9,100	9,580	480	5.3	53	185	238
Service.....	10,500	12,200	1,700	16.2	168	311	479
Agricultural Services, Forestry.....	790	860	70	8.9	11	18	29
Precision Production, Craft, & Repair.....	8,290	8,900	610	7.4	64	189	253
Operators, Fabricators, & Laborers.....	13,550	14,240	690	5.1	66	285	351

Southeast Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Total, All Occupations.....	143,480	155,980	12,500	8.7	1,254	3,386	4,640
Executive, Admin, & Managerial.....	7,450	8,140	690	9.3	69	134	203
Professional, Paraprofess, & Technical.....	25,360	29,370	4,010	15.8	404	502	906
Marketing & Sales.....	18,620	20,110	1,490	8.0	147	513	660
Administrative Support & Clerical.....	19,420	19,890	470	2.4	47	404	451
Service.....	25,150	28,350	3,200	12.7	323	765	1,088
Agricultural Services, Forestry.....	1,090	1,220	130	11.9	12	26	38
Precision Production, Craft, & Repair.....	17,580	19,000	1,420	8.1	136	415	551
Operators, Fabricators, & Laborers.....	28,810	29,900	1,090	3.8	116	627	743

Southwest Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Total, All Occupations.....	119,660	132,730	13,070	10.9	1,302	2,787	4,089
Executive, Admin, & Managerial.....	5,920	6,520	600	10.1	61	106	167
Professional, Paraprofess, & Technical.....	18,850	22,250	3,400	18.0	341	360	701
Marketing & Sales.....	14,630	16,170	1,540	10.5	157	396	553
Administrative Support & Clerical.....	14,800	15,590	790	5.3	79	305	384
Service.....	17,550	20,070	2,520	14.4	255	574	829
Agricultural Services, Forestry.....	950	1,090	140	14.7	13	23	36
Precision Production, Craft, & Repair.....	16,730	17,830	1,100	6.6	99	388	487
Operators, Fabricators, & Laborers.....	30,230	33,210	2,980	9.9	297	635	932

A more comprehensive list of the regional employment projections is available at the websites:
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West Central Region Major Occupational Groups

Occupational Group	Employment		Change		Annual Average Growth	Openings	
	1998 Estimated	2008 Projected	1998-2008 Number	1998-2008 Percent		Replace- ments	Total
Total, All Occupations	93,140	98,720	5,580	6.0	550	2,213	2,763
Executive, Admin, & Managerial.....	4,910	5,200	290	5.9	29	87	116
Professional, Paraprofess, & Technical.....	17,570	19,500	1,930	11.0	190	350	540
Marketing & Sales.....	12,080	13,010	930	7.7	90	341	431
Administrative Support & Clerical	12,170	12,140	-30	-0.2	0	260	260
Service.....	16,230	17,620	1,390	8.6	136	504	640
Agricultural Services, Forestry.....	1,080	1,200	120	11.1	12	28	40
Precision Production, Craft, & Repair.....	11,840	12,220	380	3.2	40	273	313
Operators, Fabricators, & Laborers	17,260	17,830	570	3.3	53	370	423

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections

Kansas City MO-KS MSA

Occupational Title	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Ranked by Numeric Change							
Retail Salespersons.....	29,980	33,730	3,750	12.5	375	1,016	1,391
Cashiers.....	21,240	24,880	3,640	17.1	364	926	1,290
Telemarketers/Door Sales/Related Workers ...	7,610	11,070	3,460	45.5	347	196	543
Truck Drivers, Heavy	15,580	18,900	3,320	21.3	332	224	556
Marketing/Sales Supervisors	27,240	30,550	3,310	12.2	330	357	687
Systems Analysts	5,000	8,280	3,280	65.6	328	31	359
Office Clerks, General	23,150	26,180	3,030	13.1	303	641	944
General Managers & Top Execs	18,640	21,380	2,740	14.7	274	326	600
Waiters & Waitresses	15,040	17,730	2,690	17.9	269	829	1,098
Computer Support Specialists	3,650	6,090	2,440	66.8	244	23	267
Food Prep/Service Workers, Fast Food	14,430	16,660	2,230	15.5	233	795	1018
Teachers, Secondary School	9,220	11,420	2,200	23.9	220	294	514
Ranked by Percent Change							
Desktop Publishing Specialists.....	200	380	180	90.0	17	3	20
Computer Scientists, NEC	730	1,350	620	84.9	61	5	66
Computer Support Specialists	3,650	6,090	2,440	66.8	244	23	267
Systems Analysts	5,000	8,280	3,280	65.6	328	31	359
Computer Engineers.....	1,880	3,100	1,220	64.9	123	12	135
Paralegals & Legal Assistants	810	1,280	470	58.0	47	7	54
Camera Opers, TV/Motion Picture/Video	80	120	40	50.0	4	1	5
Computer Science Teachers, Postsecondary	160	240	80	50.0	8	4	12
Health Specialties Teachers, Postsecondary	150	220	70	46.7	7	4	11
Telemarketers/Door Sales/Related Workers...	7,610	11,070	3,460	45.5	347	196	543
Cardiology Technologists/Technicians	160	230	70	43.8	7	4	11
Respiratory Therapists.....	690	990	300	43.5	30	10	40
Ranked by Total Openings							
Retail Salespersons.....	29,980	33,730	3,750	12.5	375	1,016	1,391
Cashiers.....	21,240	24,880	3,640	17.1	364	926	1,290
Waiters & Waitresses	15,040	17,730	2,690	17.9	269	829	1,098
Food Prep/Service Workers, Fast Food	14,430	16,660	2,230	15.5	223	795	1,018
Office Clerks, General	23,150	26,180	3,030	13.1	303	641	944
Marketing/Sales Supervisors	27,240	30,550	3,310	12.2	330	357	687
General Managers & Top Execs	18,640	21,380	2,740	14.7	274	326	600
Truck Drivers, Heavy	15,580	18,900	3,320	21.3	332	224	556
Telemarketers/Door Sales/Related Workers...	7,610	11,070	3,460	45.5	347	196	543
Office/Admin Support Supervisors/Mgrs	13,400	15,590	2,190	16.3	219	302	521
Teachers, Secondary School	9,220	11,420	2,200	23.9	220	294	514
Janitors & Cleaners	14,350	16,270	1,920	13.4	192	311	503

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:
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St. Louis MO-IL MSA

Occupational Title	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Ranked by Numeric Change							
Registered Nurses	23,320	27,480	4,160	17.8	416	385	801
Cashiers.....	29,840	33,940	4,100	13.7	410	1,301	1,711
Retail Salespersons.....	41,470	45,160	3,690	8.9	368	1,406	1,774
Telemarketers/Door Sales/Related Workers...	9,440	13,050	3,610	38.2	361	244	605
Office Clerks, General	29,990	33,140	3,150	10.5	315	831	1,146
Systems Analysts	5,850	8,990	3,140	53.7	314	36	350
Nursing Aides/Orderlies/Attends	17,040	20,070	3,030	17.8	303	237	540
Teachers, Secondary School	13,640	16,570	2,930	21.5	293	435	728
Marketing/Sales Supervisors	36,450	39,290	2,840	7.8	283	478	761
Truck Drivers, Heavy	17,320	20,150	2,830	16.3	283	249	532
Computer Support Specialists	4,310	6,870	2,560	59.4	257	27	284
General Managers & Top Execs	24,500	26,730	2,230	9.1	224	429	653
Ranked by Percent Change							
Desktop Publishing Specialists.....	230	410	180	78.3	18	4	22
Computer Scientists, NEC	970	1,640	670	69.1	66	6	72
Computer Support Specialists	4,310	6,870	2,560	59.4	257	27	284
Paralegals & Legal Assistants	930	1,450	520	55.9	52	8	60
Computer Engineers.....	2,200	3,420	1,220	55.5	122	14	136
Systems Analysts	5,850	8,990	3,140	53.7	314	36	350
Respiratory Therapists.....	1,020	1,510	490	48.0	49	15	64
Computer Science Teachers, Post.....	220	320	100	45.5	11	6	17
Medical Assistants	2,700	3,890	1,190	44.1	120	67	187
Cardiology Technologists/Technicians	230	330	100	43.5	11	6	17
Correctional Officers	2,020	2,870	850	42.1	86	55	141
Surgical Technologists.....	700	990	290	41.4	29	17	46
Ranked by Total Openings							
Retail Salespersons.....	41,470	45,160	3,690	8.9	368	1,406	1,774
Cashiers.....	29,840	33,940	4,100	13.7	410	1,301	1,711
Waiters & Waitresses	22,200	23,940	1,740	7.8	174	1,223	1,397
Food Prep/Service Workers, Fast Food	21,050	22,250	1,200	5.7	120	1,160	1,280
Office Clerks, General	29,990	33,140	3,150	10.5	315	831	1,146
Registered Nurses	23,320	27,480	4,160	17.8	416	385	801
Marketing/Sales Supervisors	36,450	39,290	2,840	7.8	283	478	761
Teachers, Secondary School	13,640	16,570	2,930	21.5	293	435	728
Janitors & Cleaners	21,820	23,890	2,070	9.5	207	474	681
Food Preparation Workers	11,400	11,910	510	4.5	51	628	679
General Managers & Top Execs	24,500	26,730	2,230	9.1	224	429	653
Telemarketers/Door Sales/Related Workers...	9,440	13,050	3,610	38.2	361	244	605

Occupations with less than 50 employment in 1998 are not included in these rankings.

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Regions

Occupational Rankings

Central Region

Occupational Title	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Ranked by Numeric Change							
Cashiers.....	6,650	8,100	1,450	21.8	144	290	434
Retail Salespersons.....	7,920	9,050	1,130	14.3	113	269	382
Social/Human Service Assistants.....	4,250	5,340	1,090	25.6	109	111	220
Registered Nurses.....	5,760	6,800	1,040	18.1	104	95	199
Marketing/Sales Supervisors.....	6,970	7,990	1,020	14.6	102	91	193
Correctional Officers.....	2,440	3,440	1,000	41.0	100	67	167
Waiters & Waitresses.....	4,260	5,170	910	21.4	91	235	326
Office Clerks, General.....	4,840	5,660	820	16.9	83	134	217
Truck Drivers, Heavy.....	3,210	3,990	780	24.3	78	46	124
Food Prep/Service Workers, Fast Food.....	3,840	4,590	750	19.5	75	212	287
Nursing Aides/Orderlies/Attends.....	3,880	4,590	710	18.3	71	54	125
General Managers & Top Execs.....	3,860	4,490	630	16.3	64	67	131
Ranked by Percent Change							
Systems Analysts.....	580	960	380	65.5	38	4	42
Paralegals & Legal Assistants.....	110	180	70	63.6	7	1	8
Computer Support Specialists.....	520	830	310	59.6	30	3	33
Securities/Finance Serv Sales Agents.....	170	270	100	58.8	10	1	11
Respiratory Therapists.....	250	370	120	48.0	13	4	17
Sheet Metal Duct Installers.....	90	130	40	44.4	4	2	6
Surgical Technologists.....	180	260	80	44.4	7	5	12
Correctional Officers.....	2,440	3,440	1,000	41.0	100	67	167
Plasterers & Stucco Masons.....	80	110	30	37.5	3	2	5
Sheriffs & Deputy Sheriffs.....	160	220	60	37.5	6	1	7
Social Workers, Medical/Psychiatric.....	510	700	190	37.3	19	7	26
Amusement/Recreation Attendants.....	540	740	200	37.0	20	10	30
Telemarketers/Door Sales/Related Workers...	1,350	1,850	500	37.0	50	35	85
Ranked by Total Openings							
Cashiers.....	6,650	8,100	1,450	21.8	144	290	434
Retail Salespersons.....	7,920	9,050	1,130	14.3	113	269	382
Waiters & Waitresses.....	4,260	5,170	910	21.4	91	235	326
Food Prep/Service Workers, Fast Food.....	3,840	4,590	750	19.5	75	212	287
Social/Human Service Assistants.....	4,250	5,340	1,090	25.6	109	111	220
Office Clerks, General.....	4,840	5,660	820	16.9	83	134	217
Registered Nurses.....	5,760	6,800	1,040	18.1	104	95	199
Marketing/Sales Supervisors.....	6,970	7,990	1,020	14.6	102	91	193
Correctional Officers.....	2,440	3,440	1,000	41.0	100	67	167
Food Preparation Workers.....	2,100	2,390	290	13.8	29	115	144
Teachers, Secondary School.....	2,620	3,200	580	22.1	58	84	142
General Managers & Top Execs.....	3,860	4,490	630	16.3	64	67	131

Occupations with less than 50 employment in 1998 are not included in these rankings.

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Regions

Occupational Rankings

Northeast Region

Occupational Title	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
<i>Ranked by Numeric Change</i>							
Cashiers.....	2,500	2,980	480	19.2	49	109	158
Teachers, Secondary School	1,720	2,090	370	21.5	37	55	92
Retail Salespersons.....	2,300	2,580	280	12.2	29	78	107
Marketing/Sales Supervisors	2,630	2,870	240	9.1	25	34	59
Nursing Aides/Orderlies/Attends	2,000	2,240	240	12.0	24	28	52
Food Prep/Service Workers, Fast Food	2,080	2,310	230	11.1	23	115	138
Truck Drivers, Heavy	1,580	1,810	230	14.6	23	23	46
Office Clerks, General	1,470	1,670	200	13.6	20	41	61
Registered Nurses	1,240	1,430	190	15.3	19	21	40
Waiters & Waitresses	1,240	1,410	170	13.7	17	68	85
Carpenters	990	1,130	140	14.1	14	26	40
Teacher Aides, Paraprofessional	460	600	140	30.4	15	5	20

Ranked by Percent Change

Systems Analysts	60	100	40	66.7	4	0	4
Computer Support Specialists	100	140	40	40.0	5	1	6
Correctional Officers	340	470	130	38.2	14	9	23
Telemarketers/Door Sales/Related Workers	270	360	90	33.3	9	7	16
Bill & Account Collectors.....	60	80	20	33.3	2	2	4
Medical Assistants	90	120	30	33.3	3	2	5
Amusement/Recreation Attendants.....	240	320	80	33.3	9	4	13
Teachers, Special Education.....	410	540	130	31.7	13	3	16
Teacher Aides, Paraprofessional	460	600	140	30.4	15	5	20
Personal/Home Care Aides	280	360	80	28.6	8	7	15
Heat/AC/Refrig Mechanics/Installers.....	150	190	40	26.7	4	3	7
Construction Trades Helpers, NEC	80	100	20	25.0	2	4	6
Cooks, Short Order.....	120	150	30	25.0	2	3	5
Loan & Credit Clerks	80	100	20	25.0	2	1	3
Machinery Maintenance Workers	120	150	30	25.0	3	3	6
Sales Agents, Advertising.....	80	100	20	25.0	1	2	3
Speech Pathologists/Audiologists	80	100	20	25.0	3	1	4

Ranked by Total Openings

Cashiers.....	2,500	2,980	480	19.2	49	109	158
Food Prep/Service Workers, Fast Food	2,080	2,310	230	11.1	23	115	138
Retail Salespersons.....	2,300	2,580	280	12.2	29	78	107
Teachers, Secondary School	1,720	2,090	370	21.5	37	55	92
Waiters & Waitresses	1,240	1,410	170	13.7	17	68	85
Office Clerks, General	1,470	1,670	200	13.6	20	41	61
Marketing/Sales Supervisors.....	2,630	2,870	240	9.1	25	34	59
Nursing Aides/Orderlies/Attends	2,000	2,240	240	12.0	24	28	52
Teachers, Elementary School	1,430	1,570	140	9.8	15	33	48
Truck Drivers, Heavy	1,580	1,810	230	14.6	23	23	46
Carpenters	990	1,130	140	14.1	14	26	40
Registered Nurses	1,240	1,430	190	15.3	19	21	40

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:

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Northwest Region

Occupational Title	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Ranked by Numeric Change							
Cashiers.....	2,620	2,980	360	13.7	36	114	150
Teachers, Secondary School	1,710	2,070	360	21.1	36	55	91
Registered Nurses	1,740	2,060	320	18.4	32	29	61
Nursing Aides/Orderlies/Attends	2,140	2,440	300	14.0	30	30	60
Food Prep/Service Workers, Fast Food	2,350	2,580	230	9.8	23	129	152
Retail Salespersons.....	2,550	2,770	220	8.6	23	86	109
Truck Drivers, Heavy	1,290	1,460	170	13.2	17	19	36
Teachers, Elementary School	1,450	1,600	150	10.3	15	33	48
Marketing/ Sales Supervisors	3,280	3,420	140	4.3	14	43	57
Office Clerks, General	1,830	1,960	130	7.1	13	51	64
Truck Drivers, Light.....	1,210	1,340	130	10.7	13	17	30
Waiters & Waitresses	1,110	1,240	130	11.7	13	61	74
Ranked by Percent Change							
Systems Analysts	70	110	40	57.1	4	0	4
Speech Pathologists/Audiologists	70	100	30	42.9	3	1	4
Computer Support Specialists	110	150	40	36.4	4	1	5
Police Patrol Officers	350	470	120	34.3	11	9	20
Securities/Finance Serv Sales Agents	60	80	20	33.3	2	0	2
Teachers, Special Education.....	270	360	90	33.3	9	2	11
Sheriffs & Deputy Sheriffs	130	170	40	30.8	4	1	5
Insurance Adjusters/Examiners/Investigators	100	130	30	30.0	3	2	5
Pharmacy Technicians	100	130	30	30.0	3	3	6
Sheet Metal Duct Installers.....	100	130	30	30.0	3	3	6
Teacher Aides, Paraprofessional	400	520	120	30.0	12	5	17
Medical Assistants	110	140	30	27.3	4	3	7
Ranked by Total Openings							
Food Prep/Service Workers, Fast Food	2,350	2,580	230	9.8	23	129	152
Cashiers.....	2,620	2,980	360	13.7	36	114	150
Retail Salespersons.....	2,550	2,770	220	8.6	23	86	109
Teachers, Secondary School	1,710	2,070	360	21.1	36	55	91
Waiters & Waitresses	1,110	1,240	130	11.7	13	61	74
Food Preparation Workers	1,100	1,160	60	5.5	6	60	66
Office Clerks, General	1,830	1,960	130	7.1	13	51	64
Registered Nurses	1,740	2,060	320	18.4	32	29	61
Nursing Aides/Orderlies/Attends	2,140	2,440	300	14.0	30	30	60
Marketing/Sales Supervisors	3,280	3,420	140	4.3	14	43	57
Teachers, Elementary School	1,450	1,600	150	10.3	15	33	48
General Managers & Top Execs	1,670	1,760	90	5.4	9	29	38

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Ozark Region

Occupational Title	Employment		Change		Annual Average Openings		Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	
Ranked by Numeric Change							
Cashiers.....	6,050	7,770	1,720	28.4	172	264	436
Retail Salespersons.....	7,200	8,840	1,640	22.8	163	244	407
Truck Drivers, Heavy	5,030	6,470	1,440	28.6	144	72	216
Registered Nurses	4,180	5,450	1,270	30.4	127	69	196
Marketing/Sales Supervisors	6,730	7,850	1,120	16.6	112	88	200
Waiters & Waitresses	4,410	5,420	1,010	22.9	101	243	344
Office Clerks, General	4,300	5,280	980	22.8	98	119	217
Nursing Aides/Orderlies/Attends	2,990	3,880	890	29.8	89	42	131
Telemarketers/Door Sales/Related Workers....	1,950	2,810	860	44.1	86	50	136
Food Prep/Service Workers, Fast Food	3,760	4,600	840	22.3	84	207	291
General Managers & Top Execs	3,470	4,170	700	20.2	70	61	131
Carpenters	2,010	2,640	630	31.3	63	54	117
Ranked by Percent Change							
Computer Scientists, NEC	60	120	60	100.0	6	0	6
Systems Analysts	350	660	310	88.6	30	2	32
Respiratory Therapists.....	200	330	130	65.0	13	3	16
Securities/Finance Serv Sales Agents	190	310	120	63.2	12	1	13
Computer Support Specialists	400	650	250	62.5	25	2	27
Computer Engineers.....	130	210	80	61.5	9	1	10
Numerical Control Mach Opers, M/P	180	280	100	55.6	10	4	14
Sheet Metal Duct Installers.....	80	120	40	50.0	4	2	6
Brickmasons/Blockmasons.....	290	430	140	48.3	13	6	19
Medical Assistants	380	560	180	47.4	18	9	27
Police Patrol Officers	500	730	230	46.0	23	13	36
Social Workers, Medical/Psychiatric.....	350	510	160	45.7	15	5	20
Ranked by Total Openings							
Cashiers.....	6,050	7,770	1,720	28.4	172	264	436
Retail Salespersons.....	7,200	8,840	1,640	22.8	163	244	407
Waiters & Waitresses	4,410	5,420	1,010	22.9	101	243	344
Food Prep/Service Workers, Fast Food	3,760	4,600	840	22.3	84	207	291
Office Clerks, General	4,300	5,280	980	22.8	98	119	217
Truck Drivers, Heavy	5,030	6,470	1,440	28.6	144	72	216
Marketing/Sales Supervisors	6,730	7,850	1,120	16.6	112	88	200
Registered Nurses	4,180	5,450	1,270	30.4	127	69	196
Food Preparation Workers	2,010	2,400	390	19.4	38	111	149
Telemarketers/Door Sales/Related Workers....	1,950	2,810	860	44.1	86	50	136
General Managers & Top Execs	3,470	4,170	700	20.2	70	61	131
Nursing Aides/Orderlies/Attends	2,990	3,880	890	29.8	89	42	131

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

South Central Region

Occupational Title	Employment		Change		Annual Average Openings		Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	
Ranked by Numeric Change							
Teachers, Secondary School	1,100	1,390	290	26.4	29	35	64
Truck Drivers, Heavy	1,400	1,690	290	20.7	29	20	49
Nursing Aides/Orderlies/Attendants	1,250	1,500	250	20.0	25	17	42
Cashiers.....	1,840	2,080	240	13.0	24	80	104
Office Clerks, General	1,360	1,570	210	15.4	21	38	59
Registered Nurses	1,060	1,270	210	19.8	22	17	39
Teachers, Elementary School	1,130	1,300	170	15.0	17	26	43
Retail Salespersons.....	1,810	1,970	160	8.8	16	61	77
Social/Human Service Assistants	460	620	160	34.8	16	12	28
Teacher Aides, Paraprofessional	360	500	140	38.9	13	4	17
Marketing/Sales Supervisors	3,050	3,170	120	3.9	13	40	53
Personal/Home Care Aides	440	560	120	27.3	12	11	23
Ranked by Percent Change							
Systems Analysts	60	100	40	66.7	4	0	4
Sheriffs & Deputy Sheriffs	100	160	60	60.0	5	1	6
Computer Support Specialists	60	90	30	50.0	2	0	2
Police Patrol Officers	210	310	100	47.6	10	6	16
Speech Pathologists/Audiologists	70	100	30	42.9	2	1	3
Teachers, Special Education	290	410	120	41.4	11	2	13
Teacher Aides, Paraprofessional	360	500	140	38.9	13	4	17
Engineer/Nat Science/Computer Info Sys Mgrs...	80	110	30	37.5	3	1	4
Home Health Aides	170	230	60	35.3	6	2	8
Social/Human Service Assistants	460	620	160	34.8	16	12	28
Tax Examiners/Collectors/Rev Agents	60	80	20	33.3	2	1	3
Social Workers, Ex Medical/Psychiatric	130	170	40	30.8	4	2	6
Ranked by Total Openings							
Cashiers.....	1,840	2,080	240	13.0	24	80	104
Retail Salespersons.....	1,810	1,970	160	8.8	16	61	77
Teachers, Secondary School	1,100	1,390	290	26.4	29	35	64
Office Clerks, General	1,360	1,570	210	15.4	21	38	59
Waiters & Waitresses	830	950	120	14.5	11	46	57
Food Prep/Service Workers, Fast Food	800	900	100	12.5	10	44	54
Marketing/Sales Supervisors	3,050	3,170	120	3.9	13	40	53
Truck Drivers, Heavy	1,400	1,690	290	20.7	29	20	49
Teachers, Elementary School	1,130	1,300	170	15.0	17	26	43
Nursing Aides/Orderlies/Attends	1,250	1,500	250	20.0	25	17	42
Registered Nurses	1,060	1,270	210	19.8	22	17	39
Food Preparation Workers	510	550	40	7.8	4	28	32

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Southeast Region

Occupational Title	Employment		Change		Annual Average Growth	Average Openings Replace-ments	Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent			
Ranked by Numeric Change							
Cashiers.....	3,950	4,590	640	16.2	64	172	236
Nursing Aides/Orderlies/Attends	3,130	3,600	470	15.0	46	44	90
Registered Nurses	2,690	3,140	450	16.7	45	44	89
Truck Drivers, Heavy	3,220	3,670	450	14.0	46	46	92
Teachers, Secondary School	2,010	2,400	390	19.4	39	64	103
Personal/Home Care Aides	1,430	1,810	380	26.6	38	37	75
Social/Human Service Assistants.....	710	1,070	360	50.7	36	19	55
Retail Salespersons.....	4,050	4,380	330	8.1	33	137	170
Office Clerks, General	2,710	2,960	250	9.2	25	75	100
Waiters & Waitresses	2,130	2,370	240	11.3	24	118	142
Food Prep/Service Workers, Fast Food	2,010	2,210	200	10.0	20	110	130
General Managers & Top Execs	2,230	2,420	190	8.5	19	39	58
Ranked by Percent Change							
Systems Analysts	140	230	90	64.3	9	1	10
Social/Human Service Assistants.....	710	1,070	360	50.7	36	19	55
Computer Support Specialists	170	250	80	47.1	7	1	8
Sheriffs & Deputy Sheriffs	90	130	40	44.4	3	1	4
Surgical Technologists.....	70	100	30	42.9	3	2	5
Respiratory Therapists.....	120	170	50	41.7	6	2	8
Securities/Finance Serv Sales Agents	100	140	40	40.0	4	1	5
Tax Examiners/Collectors/Revenue Agents	50	70	20	40.0	1	1	2
Police Patrol Officers	490	670	180	36.7	17	13	30
Psychiatric Technicians	320	430	110	34.4	10	4	14
Police Detectives	60	80	20	33.3	2	2	4
Telephone/Cable TV Installers/Reprs.....	210	280	70	33.3	7	7	14
Ranked by Total Openings							
Cashiers.....	3,950	4,590	640	16.2	64	172	236
Retail Salespersons.....	4,050	4,380	330	8.1	33	137	170
Waiters & Waitresses	2,130	2,370	240	11.3	24	118	142
Food Prep/Service Workers, Fast Food	2,010	2,210	200	10.0	20	110	130
Teachers, Secondary School	2,010	2,400	390	19.4	39	64	103
Office Clerks, General	2,710	2,960	250	9.2	25	75	100
Truck Drivers, Heavy	3,220	3,670	450	14.0	46	46	92
Nursing Aides/Orderlies/Attends	3,130	3,600	470	15.0	46	44	90
Registered Nurses	2,690	3,140	450	16.7	45	44	89
Marketing/Sales Supervisors	4,340	4,530	190	4.4	18	57	75
Personal/Home Care Aides	1,430	1,810	380	26.6	38	37	75
Food Preparation Workers	1,210	1,280	70	5.8	7	67	74

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Southwest Region

Occupational Title	Employment		Change		Annual Average Openings		Total
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	
Ranked by Numeric Change							
Truck Drivers, Heavy	5,600	6,510	910	16.3	91	81	172
Registered Nurses	1,970	2,490	520	26.4	52	33	85
Nursing Aides/Orderlies/Attends	1,980	2,430	450	22.7	46	28	74
Cashiers.....	2,690	3,120	430	16.0	43	117	160
Retail Salespersons.....	3,420	3,790	370	10.8	37	116	153
Food Prep/Service Workers, Fast Food	2,320	2,590	270	11.6	27	128	155
Sewing Mach Opers, Non-Garment	680	950	270	39.7	27	9	36
Assemblers/Fab, Ex Mach/Elec/Prec	2,030	2,290	260	12.8	26	36	62
Waiters & Waitresses	1,730	1,990	260	15.0	27	95	122
Helpers/Laborers/Movers, NEC.....	1,560	1,800	240	15.4	25	48	73
Marketing/Sales Supervisors	3440	3660	220	6.4	23	45	68
Truck Drivers, Light.....	1350	1570	220	16.3	23	19	42
Ranked by Percent Change							
Medical Assistants	220	320	100	45.5	10	5	15
Dental Hygienists.....	70	100	30	42.9	2	2	4
Veterinary Assistants	50	70	20	40.0	2	1	3
Sewing Mach Opers, Non-Garment	680	950	270	39.7	27	9	36
Dental Assistants	180	250	70	38.9	7	3	10
Speech Pathologists/Audiologists	110	150	40	36.4	4	2	6
Teachers, Special Education	350	470	120	34.3	12	3	15
Physical Therapy Assists/Aides.....	90	120	30	33.3	3	2	5
Social Workers, Medical/Psychiatric.....	270	360	90	33.3	8	4	12
Teacher Aides, Paraprofessional	460	610	150	32.6	15	5	20
Engineer/Nat Sci/Comp/Info Sys Mgrs	160	210	50	31.3	5	3	8
Writers & Editors.....	130	170	40	30.8	4	3	7
Ranked by Total Openings							
Truck Drivers, Heavy	5,600	6,510	910	16.3	91	81	172
Cashiers.....	2,690	3,120	430	16.0	43	117	160
Food Prep/Service Workers, Fast Food	2,320	2,590	270	11.6	27	128	155
Retail Salespersons.....	3,420	3,790	370	10.8	37	116	153
Waiters & Waitresses	1,730	1,990	260	15.0	27	95	122
Registered Nurses	1,970	2,490	520	26.4	52	33	85
Nursing Aides/Orderlies/Attends	1,980	2,430	450	22.7	46	28	74
Helpers/Laborers/Movers, NEC.....	1,560	1,800	240	15.4	25	48	73
Office Clerks, General	1,800	1,990	190	10.6	20	50	70
Marketing/Sales Supervisors	3,440	3,660	220	6.4	23	45	68
Assemblers/Fab, Ex Mach/Elec/Pre	2,030	2,290	260	12.8	26	36	62
Teachers, Elementary School	1,740	1,940	200	11.5	20	40	60

Occupations with less than 50 employment in 1998 are not included in these rankings.

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www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

West Central Region

Occupational Title	Employment		Change		Annual Average Openings		
	1998 Estimated	2008 Projected	1998-2008 Number	Percent	Growth	Replace- ments	Total
Ranked by Numeric Change							
Cashiers.....	3,080	3,580	500	16.2	50	134	184
Teachers, Secondary School	1,320	1,550	230	17.4	23	42	65
Retail Salespersons.....	2,500	2,720	220	8.8	22	85	107
Nursing Aides/Orderlies/Attends	1,920	2,120	200	10.4	20	27	47
Truck Drivers, Heavy	1,470	1,640	170	11.6	18	21	39
Registered Nurses	1,250	1,410	160	12.8	16	21	37
Correctional Officers	440	580	140	31.8	14	12	26
Police Patrol Officers	420	560	140	33.3	14	11	25
Child Care Workers	740	870	130	17.6	14	7	21
Office Clerks, General	1,540	1,670	130	8.4	14	43	57
Social/Human Service Assistants	750	880	130	17.3	13	19	32
Waiters & Waitresses	1,490	1,620	130	8.7	13	82	95
Ranked by Percent Change							
Systems Analysts	80	120	40	50.0	4	1	5
Respiratory Therapists.....	50	70	20	40.0	2	1	3
Computer Support Specialists	80	110	30	37.5	3	1	4
Sheriffs & Deputy Sheriffs	80	110	30	37.5	3	1	4
Lawn Service Managers	90	120	30	33.3	3	1	4
Police Patrol Officers	420	560	140	33.3	14	11	25
Correctional Officers	440	580	140	31.8	14	12	26
Social Workers, Medical/Psychiatric.....	140	180	40	28.6	3	2	5
Speech Pathologists/Audiologists	70	90	20	28.6	2	1	3
Teachers, Special Education	350	450	100	28.6	10	3	13
Teacher Aides, Paraprofessional	450	570	120	26.7	12	5	17
Excavation/Loading Mach Opers.....	80	100	20	25.0	2	2	4
Ranked by Total Openings							
Cashiers.....	3,080	3,580	500	16.2	50	134	184
Retail Salespersons.....	2,500	2,720	220	8.8	22	85	107
Waiters & Waitresses	1,490	1,620	130	8.7	13	82	95
Food Prep/Service Workers, Fast Food	1,390	1,450	60	4.3	6	76	82
Teachers, Secondary School	1,320	1,550	230	17.4	23	42	65
Office Clerks, General	1,540	1,670	130	8.4	14	43	57
Teachers, Elementary School	1,710	1,830	120	7.0	12	39	51
Food Preparation Workers	830	860	30	3.6	2	46	48
Nursing Aides/Orderlies/Attends	1,920	2,120	200	10.4	20	27	47
Marketing/Sales Supervisors	3,030	3,060	30	1.0	3	40	43
Truck Drivers, Heavy	1,470	1,640	170	11.6	18	21	39
Registered Nurses	1,250	1,410	160	12.8	16	21	37

Occupations with less than 50 employment in 1998 are not included in these rankings.

A more comprehensive list of the regional employment projections is available at the websites:
www.MissouriEconomy.org or www.works.state.mo.us/lmi/projections.

Methodology

Industry Employment Projections

Source data for Missouri, St. Louis MSA and Kansas City MSA industry employment projections are derived from the Current Employment Statistics (CES) survey data. This employment is compiled at the total industry, the major industry, the 2-digit Standard Industrial Classification (SIC), and the 3-digit SIC levels into time series that span the years from 1975 to 1998. For some SIC designations CES data are only available down to the aggregated 2-digit level. In these instances, data from the ES-202 Employment and Wages program are used to “break out” information at the 3-digit level. The statistical data are adjusted to minimize the effects of major SIC code changes in the course of the series.

Source data for the other regions’ industry projections are derived from the ES-202 data. This employment is also compiled at the total industry, the major industry, the 2-digit SIC, and the 3-digit SIC levels into time series that span the years from 1976 to 1998. The statistical data are adjusted to minimize the effects of major SIC code changes in the course of the series.

Beginning at the all industry level, the employment time series are projected into the target year by using linear regression and shift-share models. For the linear regression models, the industry employment trend is related to varying combinations of population trends, employment trends, and personal income trends at the area, state and national levels. For the shift-share models, industry employment is proportioned according to varying combinations of area, state and national population and employment data.

The results of these models are reviewed and compared by Missouri Department of Economic

Development labor market analysts. From this review, the “best” model is chosen and this value becomes the projected employment in the target year. In cases where the “best” model does not reflect reality, an adjustment is made by the analysts to bring this value in line with their knowledge of state employment trends.

This process is then repeated at major industry, 2-digit SIC, and 3-digit SIC levels. In this fashion, an increasingly detailed projection of the target year’s employment is fashioned.

Occupational Employment Projections

The Missouri Occupational Employment Statistics (OES) program surveys a sample of non-farm wage and salary businesses to provide current estimates of occupational employment by industry. Data from the 1996 to 1998 survey period were used to develop staffing patterns for industries at the 3 digit SIC level.

These staffing patterns are applied to the appropriate industry employment and the result is a matrix containing the base year’s occupational employment levels for each industry. (Nationwide patterns are substituted where statewide patterns are not usable. Statewide patterns are substituted where area patterns are not usable).

The U.S. Bureau of Labor Statistics (BLS) develops national change factors that estimate changes in staffing patterns brought about by new technology and changing business practices. By applying these change factors to the base year’s staffing patterns, a projected year’s staffing pattern is derived. These adjusted staffing patterns are applied to the projected industry employment and the projected year’s occupational employment levels for each industry is added to the matrix.

Estimates for self-employed and unpaid family occupational employment are then calculated by multiplying the occupational

matrix employment by estimating factors also provided by BLS. This self-employed and unpaid family occupational employment is then scaled to a total self-employed and unpaid family employment estimate derived from the U.S. Department of Labor's Current Population Survey and added to the matrix.

Once the occupational employment levels are computed, job openings due to growth for each occupation are calculated and replacement rates provided by BLS are used to calculate net replacement job openings for each occupation.

General Assumptions

The state and area employment projections were derived from the 1998-2008 national employment projections produced by the U.S. Bureau of Labor Statistics. Refer to the November 1999 issue of the *Monthly Labor Review*, published by the U.S. Department of Labor, for detailed information on the national projections.

State Assumptions

- (1) Missouri's population is expected to increase 0.7 per cent annually between 1998 and 2008, bringing statewide population to over 5.8 million by the year 2008. St. Louis and Kansas City, the major metropolitan areas in the state, will continue to provide economic opportunities for Missouri's growing population.
- (2) Missouri's personal income is expected to grow at an annual rate of 1.3 per cent between 1998 and 2008, which is lower than the 2.0 per cent posted over the 1988 to 1998 period.
- (3) The economic patterns of the early 1990's are expected to continue through the year 2008, with strong employment growth in the service-producing industries and limited growth in the goods-producing

industries.

Area Assumptions

- (1) The population of the St. Louis MSA is projected to increase 0.3 percent annually between 1998 and 2008. St. Louis County and St. Louis City will continue to be major population and economic centers within the MSA. However, their relative size and significance are expected to decline. The fastest population growth is expected for St. Charles County.
- (2) The population of the Kansas City MSA is projected to increase 0.7 percent annually between 1998 and 2008. The city of Kansas City, Missouri and Johnson County, Kansas are expected to continue as the major population and economic centers of the MSA.
- (3) The population of the Northwest Region is expected to increase 0.2 percent annually between 1998 and 2008. The St. Joseph Metropolitan Statistical Area (MSA) is expected to continue as the major population and economic center of the region. Chillicothe, Maryville, Trenton and Brookfield are expected to continue as regional population and economic centers.
- (4) The population of the Northeast Region is expected to increase 0.5 percent annually between 1998 and 2008. Hannibal, Kirksville, Moberly, Warrenton, and Troy will continue as the major population and economic centers for the region. Economic growth in the St. Louis Metropolitan Statistical Area (MSA) will continue to expand into Lincoln and Warren Counties.
- (5) The population of the West Central Region is expected to increase 0.6 percent annually between 1998 and 2008. Sedalia is expected to continue as the major industrial center for the region. Warrensburg,

Marshall, Nevada, Clinton, and Lexington are expected to continue as the major population and economic centers for the region.

- (6) The population of the Central Region is expected to increase 1.0 percent annually between 1998 and 2008. The Columbia Metropolitan Statistical Area (MSA), Jefferson City, Rolla, Fort Leonard Wood, and the Lake of the Ozarks area are expected to continue as the major population and economic centers for the region.
- (7) The population of the Southwest Region is expected to increase 1.1 percent annually between 1998 and 2008. The Joplin Metropolitan Statistical Area (MSA) will continue as the major population and economic center for the region.
- (8) The population of the Ozark Region is expected to increase 1.7 percent annually between 1998 and 2008. The Springfield Metropolitan Statistical Area (MSA) and the Branson area are expected to continue as the major population and economic centers for the region.
- (9) The population of the South Central Region is expected to increase 1.0 percent

annually between 1998 and 2008. Poplar Bluff and West Plains are expected to continue as the major population and economic centers for the region.

- (10) The population of the Southeast Region is expected to increase 0.4 percent annually between 1998 and 2008. Cape Girardeau, Sikeston, Farmington, Park Hills, and Kennett are expected to continue as the major population and economic centers of the region.

Suppression

State law requires government agencies to suppress employment data that would tend to reveal the operations of an individual or business. At the statewide level, published industry employment statistics are limited to major industry groups plus 2-digit Standard Industrial (SIC) industries with no suppression problems and 3-digit SICs with no suppression problems when estimated employment is equal to or greater than 100 in 1998. Published occupational employment is limited to major occupational groups and occupations with no suppression problems when estimated employment is equal to or greater than 20 in 1998.

Educational and Training Classifications

Occupations in this publication are classified into categories that describe the education and training needed by most workers to become fully qualified. The U.S. Bureau of Labor Statistics developed this classification system and assigned occupations into 1 of 11 categories. Some adjustments have been made by the Missouri Economic Research and Information Center's staff to reflect training requirements in Missouri. The education and training categories are:

(01) Professional Degree – Completion of a professional degree usually requires at least 6 years of full-time equivalent academic study, including college study prior to entering the professional degree program. Occupations in this category are:

32113 Chiropractors	32108 Optometrists
27502 Clergy	32517 Pharmacists
32105 Dentists	32102 Physicians and Surgeons
32199 Health Practitioners, NEC	32111 Podiatrists
28108 Lawyers	32114 Veterinarians

(02) Doctoral Degree – Completion of a doctoral degree program usually requires at least 3 years of full-time equivalent academic work beyond a bachelor's degree. Occupations in this category are:

31201 Agric Sciences Teachers, Postsecondary	31235 History Teachers, Postsecondary
31231 Anthrop/Sociology Teachers, Postsecond	31262 Home Economics Teachers, Postsecondary
31223 Architecture Teachers, Postsecondary	31244 Law Teachers, Postsecondary
31232 Area/Ethnic/Cultural Studies Teachers	31256 Library Science Teachers, Postsecondary
31218 Art/Drama/Music Teachers, Postsecondary	31202 Life Sciences Teachers, Postsecondary
24308 Biological Scientists	24399 Life Scientists, NEC
31242 Business Teachers, Postsecondary	31224 Math/Science Teachers, Postsecondary
31204 Chemistry Teachers, Postsecondary	25310 Mathematical Scientists
31213 Communications Teachers, Postsecondary	24311 Medical Scientists
31226 Computer Science Teachers, Postsecond	31258 Parks/Rec/Fitness Studies Teachers
31246 Criminal Justice/Law Enforce Teachers	31254 Philosophy/Religion Teachers, Postsecond
31233 Economics Teachers, Postsecondary	31209 Phys Science Teachers, Postsecond, NEC
31252 Education Teachers, Postsecondary	31206 Physics Teachers, Postsecondary
31222 Engineering Teachers, Postsecondary	31236 Political Science Teachers, Postsecondary
31214 English Lang/Lit Teachers, Postsecondary	31299 Postsecondary Teachers, NEC
31215 Foreign Lang/Lit Teachers, Postsecondary	31237 Psychology Teachers, Postsecondary
31234 Geography Teachers, Postsecondary	31239 Social Science Teachers, Postsecond, NEC
31211 Health Diagnostics Teachers, Postsecond	31247 Social Work Teachers, Postsecondary
31212 Health Specialties Teachers, Postsecondary	

(03) Master's Degree – Completion of a master's degree program usually requires 1 or 2 years of full-time equivalent study beyond a bachelor's degree. Occupations in this category are:

31514 Counselors, Vocation/Education	27108 Psychologists
31511 Curators/Archivists/Museum Technicians	27199 Social Scientists, NEC
31502 Librarians	27302 Social Workers, Medical/Psychiatric
25319 Mathematical Scientists, NEC	32314 Speech Pathologists/Audiologists
31114 Nursing Instructors	25312 Statisticians
25302 Operations Research Analysts	27105 Urban & Regional Planners
32308 Physical Therapists	

(04) Work experience, plus a Bachelor's Degree or higher – This category includes positions that generally require work experience in an occupation that requires a bachelor's degree or higher. Most jobs in this category are managerial with experience required in a related non-managerial position. Occupations in this category are:

28105 Adjudicators & Hearing Officers	19005 General Managers & Top Execs
13014 Administrative Services Managers	19002 Govt Chief Execs & Legislators
13011 Adver/Marketing/Promo/PR/Sales Mgr	13005 Human Resources Managers
34035 Artists & Commercial Artists	28102 Judges & Magistrates
34014 Broadcast News Analysts	21905 Management Analysts
15023 Communication/Transp/Utilities Mgrs	19999 Managers & Administrators, NEC
15005 Education Administrators	15008 Medical/Health Service Managers
13017 Engineer/Nat Sci/Computer Info Sys Mgrs	13008 Purchasing Managers
13002 Financial Managers	

(05) Bachelor's Degree – Completion of a bachelor's degree program usually requires 4 or 5 years of full-time academic work. Occupations in this category are:

21114 Accountants & Auditors	22127 Computer Engineers
25313 Actuaries	25105 Computer Programmers
22102 Aerospace Engineers	25199 Computer Scientists, NEC
22123 Agricultural Engineers	24302 Conservation Scientists/Foresters
24305 Agricultural/Food Scientists	15017 Construction Managers
97702 Aircraft Pilots/Flight Engineers	32311 Corrective/Manual Arts Therapists
22302 Architects, Exc Landscape/Naval	21902 Cost Estimators
21917 Assessors	21105 Credit Analysts
24108 Atmospheric & Space Scientists	63028 Criminal Investigators, Public Service
31508 Audio-Visual Specialists	25103 Database Administrators
21117 Budget Analysts	34038 Designers, Exc Interior
22114 Chemical Engineers	32521 Dietitians & Nutritionists
24105 Chemists	27505 Directors, Religious Activities/Education
22121 Civil Engineers	27102 Economists
21921 Claims Examiners Prop/Casual Insurance	22126 Electrical & Electronics Engineers

21508 Employment Interviewers	15011 Property/Real Est/Comm Assoc Mgrs
22199 Engineers, NEC	34008 Public Relations Specialists
31323 Farm/Home Management Advisors	21305 Purchasing Agents & Buyers, Farm
34032 Film Editors	21308 Purchasing Agts, Exc Whlsale/Retail/Farm
25315 Financial Analysts, Statistical	43011 Real Estate Appraisers
21199 Financial Specialists, NEC	27311 Recreation Workers
24111 Geologists/Geophysicists/Oceanographers	32317 Recreational Therapists
31117 Graduate Assistants, Teaching	27599 Religious Workers, NEC
21511 Human Res/Train/Labor Relations Specs	34011 Reporters & Correspondents
22128 Industrial Engineers, Exc Safety	27307 Residential Counselors
15014 Industrial Production Managers	22132 Safety Engineers, Exc Mining
31517 Instructional Coordinators	49002 Sales Engineers
43002 Insurance Sales Agents	43014 Securities/Finance Serv Sales Agents
21102 Insurance Underwriters	27305 Social Workers, Exc Medical/Psychiatric
34041 Interior Designers	21505 Special Agents, Insurance
22308 Landscape Architects	22311 Surveyors and Mapping Scientists
31111 Lecturers	25102 Systems Analysts
21108 Loan Counselors & Officers	21914 Tax Examiners/Collectors/Revenue Agents
21999 Management Support Workers, NEC	31399 Teachers & Instructors, NEC
22138 Marine Engineers	31305 Teachers, Elementary School
22105 Materials Engineers	31304 Teachers, Kindergarten
22135 Mechanical Engineers	31303 Teachers, Preschool
32902 Medical/Clinical Lab Technologists	31308 Teachers, Secondary School
22108 Mining Engineers, Inc Safety	31311 Teachers, Special Education
22117 Nuclear Engineers	34005 Technical Writers
32305 Occupational Therapists	32399 Therapists, NEC
24199 Physical Scientists, NEC	21302 Wholesale/Retail Buyers, Exc Farm
32511 Physician Assistants	34002 Writers & Editors
39999 Professional/Paraprofess/Techs, NEC	

(06) Associate's Degree – Completion of an associate's degree program usually requires at least 2 years of full-time academic study. Occupations in this category are:

24502 Biological/Agric Techs/Technologists	22508 Industrial Engineering Techs/Technols
32925 Cardiology Technologists/Technicians	28302 Law Clerks
24505 Chemical Techs/Technologists, Exc Health	28399 Legal Assistants, NEC
22502 Civil Engineering Techs/Technologists	25323 Mathematical Technicians
25104 Computer Support Specialists	22511 Mechanical Engineering Techs/Technols
32908 Dental Hygienists	32911 Medical Records/Health Info Technicians
32523 Dietetic Technicians	32905 Medical/Clinical Lab Technicians
22505 Elect & Electronic Techs/Technologists	32914 Nuclear Medical Technologists
22599 Engineering Techs/Technologists, NEC	66021 Occupational Therapy Assistants/Aides
39011 Funeral Directors & Morticians	28305 Paralegals & Legal Assistants
32999 Health Professionals/Paraprofess, NEC	24511 Petroleum Technicians/Technologists

66017 Physical Therapy Assistants/Aides
 24599 Physical/Life Science Technicians, NEC
 32913 Radiation Therapists
 32919 Radiologic Technicians/Technologists

32502 Registered Nurses
 32302 Respiratory Therapists
 32951 Veterinary Technologists/Technicians

(07) Vocational Education – Some vocational education programs last only a few weeks while others may last more than a year. In some occupations, a license is needed that requires passing an examination after completion of the training. Occupations in this category are:

85326 Aircraft Engine Specialists	22517 Estimators & Drafters, Utilities
85323 Aircraft Mechanics	85505 Frame Wirers, Central Office
85302 Auto Mechanics/Service Technicians	68005 Hairdressers/Hairstylists/Cosmetologists
68002 Barbers	89123 Jewelers & Silversmiths
34028 Broadcast & Sound Technicians	55102 Legal Secretaries
85502 Central Office/PBX Installers/Repairers	32505 Licensed Practical/Voc Nurses
85599 Communication Equip Mechanics, NEC	68008 Manicurists
25108 Computer Programmer Aides	55105 Medical Secretaries
55302 Court Reporters/Medical Trans/Stenos	34023 Photographers
34053 Dancers & Choreographers	32931 Psychiatric Technicians
85705 Data Processing Equip Repairers	85514 Radio Mechanics
22514 Drafters	43008 Sales Agents, Real Estate
85708 Electronic Home Entertain Equip Reprs	85726 Station Installers/Repairers, Telephone
85714 Electric Motor/Transform Repairers	32928 Surgical Technologists
85728 Electrical Installers/Reprs, Transp Equip	85508 Telegraph/Teletype Installers/Repairers
85717 Electronics Reprs, Commercial/Ind Equip	43021 Travel Agents
32508 Emergency Medical Techs/Paramedics	

(08) Work experience in a related occupation – Occupations in this category require skills and experience gained in a related position, developed from hobbies or other activities or from service in the Armed Forces. Many of these jobs are supervisory or managerial. Occupations in this category are:

93102 Aircraft Assemblers, Precision	81008 First Line Supervisors: Production/Opers
81099 Blue-Collar Worker Supervisors, NEC	81011 First Line Supervisors: Transportation
43005 Brokers, Real Estate	93108 Fitters, Structural Metal, Precision
97502 Captains, Water Vessels	15026 Food Service & Lodging Managers
21908 Construction, Building Inspectors	63005 Forest Fire Inspectors/Prev Specialists
89505 Custom Tailors & Sewers	21911 Inspectors & Compliance Officers
93114 Elec/Electronic Equip Assemblers, Prec	83002 Inspectors/Testers/Graders, Precision
93111 Electromechanical Equip Assemblers	83005 Inspectors/Testrs/Gradsr/Samplrs/Weighrs
61002 Fire Fighting/Prevention Supervisors	83099 Inspectors/Testers/Related, NEC
63002 Fire Inspectors	61008 Institution Cleaning Supervisors
72002 First Line Supervisors: Ag Serv, Forestry	31317 Instructors, Adult (Non-Voc Ed)
81005 First Line Supervisors: Construct/Extract	15032 Lawn Service Managers
81017 First Line Supervisors: Helpers/Laborers	97305 Locomotive Engineers
81002 First Line Supervisors: Mechanics/Repair	93105 Machine Builder Assemblers, Precision

41002 Marketing/Sales Supervisors	15002 Postmasters/Mail Superintendents
97505 Mates: Ship/Boat/Barge	93197 Precision Assemblers, Metal, NEC
15021 Mining & Related Managers	63035 Private Detectives/Investigators
53105 New Accounts Clerks, Banking	97308 Rail Yard Engineers/Dinkey Ops
25111 Numerical Tool/Process Control Progrms	97317 Railroad Brake/Signal/Switch Ops
15031 Nursery & Greenhouse Managers	97302 Railroad Conductors/Yardmasters
51002 Office/Admin Support Supervisors/Mgrs	61099 Service Supervisors/Mgrs, NEC
97508 Pilots, Ship	97521 Ship Engineers
63011 Police Detectives	31314 Teachers/ Instructors, Voc Ed/Training
61005 Police/Detective Supervisors	83008 Transportation Inspectors

(09) Long-term on-the-job training – This category includes occupations that usually require more than 12 months of on-the-job training or combined work experience and formal classroom instruction, such as apprenticeships and employer-sponsored training. Individuals undergoing training are usually considered employed in the occupation. Occupations in this category are:

34056 Actors/Directors/Producers	85723 Electric Powerline Installers/Repairers
39002 Air Traffic Controllers	85799 Electric/Electronic Equip Mechanics, NEC
79015 Animal Breeders	87202 Electricians
79016 Animal Trainers	85932 Elevator Installers & Repairers
34058 Athletes/Coaches/Umpires/Rel Workers	89128 Etchers/Engravers, Hand/Mach, Precision
85305 Automotive Body & Related Repairers	87905 Explosive Wkrs/Ord Hdlg Expts/Blasters
95023 Auxiliary Equipment Ops, Power	85321 Farm Equipment Mechanics
63023 Bailiffs	89717 Film Strippers, Printing
89135 Boilermakers	63008 Fire Fighters
87302 Brickmasons/Blockmasons	68026 Flight Attendants
85311 Bus/Truck/Diesel Engine Mechanics	89902 Foundry Mold/Core Makers, Prec
65023 Butchers & Meatcutters, Retail	89314 Furniture Finishers
89311 Cabinetmakers/Bench Carpenters	85944 Gas Appliance Repairers
89713 Camera Operators	95005 Gas Plant Operators
87102 Carpenters	87811 Glaziers
95008 Chemical Plant & System Ops	89126 Hand Workers, Jewelry, Precision
85947 Coin/Vending/Amuse Mach Servicers	87308 Hard Tile Setters
89702 Compositors/Typesetters, Precision	85902 Heating/AC/Refrig Mechanics/Installers
87311 Concrete Finish/Cement/Terrazzo Wkrs	85110 Industrial Machinery Mechanics
87941 Continuous Mining Mach Ops	89105 Instrument Makers, Precision
65028 Cooks, Institution/Cafeteria	53302 Insurance Adjustrs/Examnrs/Investigators
65026 Cooks, Restaurant	53305 Insurance Appraisers, Auto Damage
63017 Correctional Officers	89705 Job Printers
89921 Dental Lab Technicians, Precision	89117 Layout Workers, Metal, Precision
89707 Desktop Publishing Specialists	89719 Lithog/Photoengraving Occs, NEC
89911 Detail Design Decorators/Painters	85118 Mach Maint Mechanics: Water/Power
85711 Electric Home Appl/Power Tool Repairers	85119 Machinery Maintenance Mechanics, NEC
85911 Electric Meter Installers/Repairers	85116 Machinery Maint Mechanics: Marine

85113 Machinery Maint Mechanics: Sewing	63014 Police Patrol Officers
85112 Machinery Maint Mechanics: Textile	95028 Power Distributors/Dispatchers
85128 Machinery Maintenance Workers	95021 Power Generating Plant Operators
89108 Machinists	95026 Power Reactor Operators
85132 Maintenance Repairers, General Utility	85721 Power/Substation/Relay Electricians
85928 Mechanical Control Installers/Repairers	85905 Precision Instrument Repairers
85999 Mechanics/Installers/Repairers, NEC	89199 Precision Metal Workers, NEC
89923 Medical Appliance Makers	89799 Precision Printing Workers, NEC
85908 Medical Equipment Repairers	89599 Precision Textile Workers, NEC
85956 Menders/Garments/Linens/Related	89399 Precision Woodworkers, NEC
85123 Millwrights	89999 Precision Workers, NEC
87943 Mine Cutting/Channeling Mach Opers	89517 Pressers, Delicate Fabric
85117 Mine Machinery Mechanics	85317 Rail Car Repairers
85314 Mobile Heavy Equipment Mechanics	85935 Riggers
85938 Mobile Home Repairers	89715 Scanner Operators
89905 Molders/Shapers, Exc Jewelry/Foundry	63032 Sheriffs & Deputy Sheriffs
85308 Motorcycle Mechanics	89121 Shipfitters
34047 Music Directors/Singers/Related Workers	89511 Shoe/Leather Workers/Repairers, Precision
85921 Musical Instrument Repairers/Tuners	85511 Signal/Track Switch Maintainers
34051 Musicians, Instrumental	85328 Small Engine Mechanics
85926 Office Mach/Cash Register Servicers	95032 Stationary Engineers
89917 Ophthalmic Laboratory Technicians	87305 Stonemasons
89706 Paste-Up Workers	87814 Structural Metal Workers
89114 Pattern & Model Makers, Metal	85702 Telephone/Cable TV Installers/Repairers
89302 Pattern/Model Makers, Wood	89102 Tool & Die Makers
89502 Patternmakers/Layout Wkrs, Fabric/Apparel	89111 Tool Grinders/Filers/Sharpeners
89908 Patternmakers/Model Makers/Rel Wkrs	63038 Transit & Railroad Police
89712 Photoengravers	89508 Upholsterers
95099 Plant & System Operators, NEC	85917 Watch Repairers
87317 Plasterers & Stucco Masons	95002 Water & Waste Treat Plant Opers
89718 Platemakers	93914 Welders & Cutters
87502 Plumbers/Pipefitters/Steamfitters	89308 Wood Machinists

(10) Moderate-term on-the-job training – Occupations in this category generally require 1 to 12 months of combined on-the-job experience and informal training before workers develop the skills needed for average job performance. Occupations in this category are:

87702 Air Hammer Operators	92525 Bindery Machine Setters/Opers
34021 Announcers, NEC	92926 Boiler Opers/Tenders, Low Pressure
34017 Announcers, Radio & TV	89721 Bookbinders
65021 Bakers, Bread & Pastry	55338 Bookkeeping/Accounting/Auditing Clerks
89805 Bakers, Manufacturing	97802 Bridge/Lock/Lighthouse Tenders
85951 Bicycle Repairers	53128 Brokerage Clerks
92546 Bindery Machine Operators	97108 Bus Drivers, Transit/Intercity

34026 Camera Opers, TV/Motion Picture/Video	39014 Embalmers
85914 Camera/Photographic Equip Repairers	93951 Engraving & Printing Workers, Hand
87602 Carpet Installers	97923 Excavation/Loading Mach Opers
87105 Ceiling Tile Installers/Acoustic Carpenters	87989 Extraction Workers, Exc Helpers, NEC
92956 Cement/Gluing Mach Opers/Tenders	91311 Extrude/Drawing Setters/Opers, M/P
57108 Central Office Operators	92971 Extrude/Form/Press Mach Opers/Tenders
92935 Chemical Equip Controllers/Opers	92968 Extruding/Form/Press Mach Setters/Opers
92938 Chemical Equipment Tenders	92708 Extruding/Forming Mach Opers/Tenders
21502 Claims Takers, Unemployment Benefits	87817 Fence Erectors
92958 Clean/Wash/Pickling Equip Opers/Tenders	63041 Fish & Game Wardens
92953 Coat/Paint/Spray Mach Opers/Tenders	87605 Floor Layers, Exc Carpet/Wood/Hard Tile
92951 Coat/Paint/Spray Mach Setters/Opers	89808 Food Batchmakers
91508 Comb Mach Tool Opers/Tenders, M/P	91317 Forging Machine Setters/Opers, M/P
91505 Comb Mach Tool Sttrs/Set-Up Opers, M/P	91914 Foundry Mold Assembly/Shakeout Wkrs
57199 Communication Equip Operators, NEC	91935 Furnace Operators & Tenders
56011 Computer Opers, Exc Peripheral Equip	92923 Furnace/Kiln/Oven/Drier/Kettle Opers
87899 Construction Trades Workers, NEC	97921 Gas Compressor Operators
87999 Construction/Extractive Workers, NEC	97917 Gas Pumping Station Operators
97951 Conveyor Operators/Tenders	97938 Grader/Bulldozer/Scraper Opers
92917 Cooking Mach Opers, Food/Tobacco	91114 Grinding Mach Setters/Opers, M/P
92928 Cooling/Freezer Equip Opers/Tenders	87803 Hazardous Materials Removal Workers
97944 Crane & Tower Operators	92305 Head Sawyer
92965 Crush/Grind/Mix Mach Opers/Tenders	91932 Heat Treat/Annealing/Temper Mach Opers
92944 Cutting/Slicing Machine Opers/Tenders	91938 Heaters, Metal/Plastic
92941 Cutting/Slicing Machine Setters/Opers	91928 Heating Equip Setters/Opers, M/P
92932 Dairy Process Equip Opers/Setters	97941 Hoist & Winch Operators
56021 Data Entry Keys, Composing	31321 Instructors/Coaches, Sports/Physical Train
56017 Data Entry Keys, Exc Composing	87802 Insulation Workers
49034 Demonstrators/Product Promoters	53311 Insurance Claims Clerks
66002 Dental Assistants	53308 Insurance Examining Clerks
57105 Directory Assistance Operators	53314 Insurance Policy Process Clerks
58005 Dispatchers, Exc Police/Fire/Ambulance	91105 Lathe/Turning Mach Setters/Opers, M/P
58002 Dispatchers: Police/Fire/Ambulance	87114 Lathers
97926 Dragline Operators	92726 Laundry/Drycleaning Mach Opers
97928 Dredge Operators/Dipper Tenders	92515 Letterpress Operators
91108 Drilling/Boring Mach Setters/Opers, M/P	97932 Loading Mach Opers, Mining
87108 Drywall Installers	85923 Locksmiths & Safe Repairers
87902 Earth Drillers, Exc Oil & Gas	97311 Locomotive Firers
32926 EKG Technicians	73008 Log Handling Equipment Operators
91921 Electro Plating/Coat Mach Opers, M/P	73011 Logging Tractor Operators
91917 Electro Plating/Coat Mach Setters/Opers	91321 Machine Forming Opers/Tenders, M/P
32923 Electroneurodiagnostic Technicians	92998 Machine Operators/Tenders, NEC
92902 Electronic Semiconductor Processors	92997 Machine Setters/Setup Opers, NEC

91117 Machine Tool Cutting Opers, M/P	92519 Printing Press Setters/Opers, NEC
97914 Main Line Station Engineers	92529 Printing Setters/Operators, NEC
97989 Material Moving Equip Opers, NEC	92549 Printing/Binding/Related Workers, NEC
66005 Medical Assistants	97953 Pump Operators
34044 Merch Displayers/Window Dressers	91302 Punching Mach Setters/Opers, M/P
91714 Metal Fabricators, Structural Metal	39008 Radio Operators
91911 Metal Mold/Core/Cast Mach Opers/Tndrs	97399 Rail Transportation Workers, NEC
91908 Metal Mold/Core/Cast Mach Setters	87714 Rail-Track Laying/Maint Equip Opers
93941 Metal Pourers/Casters, Basic Shape	85126 Refractory Material Repairers
92198 Metal/Plastic Mach Opers/Tenders, NEC	87314 Reinforcing Metal Workers
92197 Metal/Plastic Mach Setters/Opers, NEC	92921 Roasting/Dryng Opers/Tenders, Fd/Tob
91111 Milling/Planing Mach Setters/Opers, M/P	87908 Rock Splitters, Quarry
87949 Mining Mach Operators, NEC	91314 Rolling Machine Setters/Opers, M/P
49036 Models	87923 Roof Bolters, Mining
93944 Molders & Casters, Hand	87808 Roofers
97511 Motorboat Operators	49999 Sales & Related Workers, NEC
91926 Nonelectro Plating/Coat Mach Opers	43023 Sales Agents, Advertising
91923 Nonelectro Plating/Coat Mach Setters	43017 Sales Agents, Business Services
91502 Numerical Control Mach Opers, M/P	49008 Sales Reps, Mfg and Wholesale
92512 Offset Lithographic Press Opers	49005 Sales Reps, Scientific Products/Services
97956 Operating Engineers	43099 Sales Reps/Salespersons, Services NEC
32514 Opticians, Dispensing	92302 Sawing Mach Setters/Set-Up Opers
92974 Packaging/Filling Mach Opers/Tenders	91102 Sawing Mach Tool Setters/Opers, M/P
87402 Painters & Paperhangers	92308 Sawing Machine Opers/Tenders
92947 Painters, Transportation Equip	92524 Screen Printing Mach Setters/Opers
92914 Paper Goods Machine Setters/Opers	55108 Secretaries, Exc Legal or Medical
49014 Parts Salespersons	92962 Separating/Still Mach Setters/Opers
87708 Paving/Surfacing/Tamping Opers	87511 Septic Tank Servicers/Sewer Pipe Cleaner
56014 Peripheral Equipment Operators	92717 Sewing Machine Opers, Garment
67008 Pest Controllers Workers	92721 Sewing Machine Opers, Non-Garment
32518 Pharmacy Technicians	91308 Shear Mach Setters/Opers, M/P
92545 Photoengrav/Lithog Mach Opers/Tenders	87805 Sheet Metal Duct Installers
89914 Photographic Process Workers, Precision	89132 Sheet Metal Workers
87705 Pile Driving Equipment Operators	92723 Shoe Sewing Machine Opers/Tenders
87508 Pipelayers	89802 Slaughterers & Meat Packers
87505 Pipelaying Fitters	27308 Social/Human Service Assistants
91905 Plastic Mold/Cast Mach Opers/Tenders	91711 Soldering/Brazing Mach Opers/Tenders
91902 Plastic Mold/Cast Mach Setters/Opers	91708 Soldering/Brazing Mach Setters/Opers
89899 Precision Food/Tobacco Workers, NEC	92522 Specialty Material Printing Mach Setters
91305 Press Mach Setters/Opers, M/P	89514 Spotters, Dry Cleaning
92728 Pressing Mach Opers/Tenders, Textiles	79036 Sprayers/Applicators
92510 Print Press Machine Setters	55328 Statistical Clerks
92543 Printing Press Mach Opers/Tenders	97314 Subway & Streetcar Operators

22521 Surveying/Mapping Technicians	28308 Title Searchers
97905 Tank Car & Truck Loaders	39005 Traffic Technicians
87111 Tapers	97999 Transp/Material Move Equip Opers, NEC
21111 Tax Preparers	97899 Transportation Workers, NEC
57111 Telegraph/Teletype Operators	92541 Typesetting/Composing Mach Opers
49026 Telemarketers/Door Sales/Rel Workers	91702 Welding Mach Setters/Set-Up Opers
92714 Textile Bleach/Dye Mach Opers/Tenders	91705 Welding Machine Opers/Tenders
92705 Textile Machine Operators/Tenders	53502 Welfare Eligibility Workers
92702 Textile Machine Setters/Operators	92314 Woodwork Mach Opers/Tenders, Exc Saw
92911 Tire Building Machine Operators	92311 Woodworking Mach Setters, Exc Sawing
28311 Title Examiners & Abstractors	55307 Word Processors & Typists

(11) Short-term on-the-job training – In these occupations, workers can generally achieve average job performance in just a few days or weeks working with and observing experienced employees and by asking questions. Occupations in this category are:

53123 Adjustment Clerks	65017 Counter Attendants/Lunchroom/Cafeteria
59999 Admin Support/Clerical Occs, NEC	57311 Couriers & Messengers
53908 Advertising Clerks	53702 Court Clerks
79999 Agric/Forestry/Fishing Workers, NEC	53114 Credit Authorizers
66023 Ambulance Drivers/Attendants, Exc EMTs	53117 Credit Checkers
68014 Amusement/Recreation Attendants	63044 Crossing Guards
79017 Animal Caretakers, Exc Farm	55335 Customer Service Reps, Util
93956 Assemblers/Fab, Exc Mach/Elec/Prec	93926 Cutters & Trimmers, Hand
68023 Baggage Porters/Bellhops	65014 Dining Room/Cafeteria Attends/Bar Help
53102 Bank Tellers	97117 Driver/Sales Workers
65005 Bartenders	56005 Duplicating Machine Operators
53508 Bill & Account Collectors	93905 Electrical/Electronic Assemblers
55344 Billing/Cost/Rate Clerks	98313 Electricians/Related Helpers
56002 Billing/Posting Clerks/Mach Opers	67011 Elevator Operators
98311 Brick/Stone Mason Helpers	98323 Extractive Workers Helpers
97111 Bus Drivers, School	73002 Fallers & Buckers
93935 Cannery Workers	79021 Farm Equipment Operators
98312 Carpenters/Related Helpers	79858 Farm Workers, Farm/Ranch Animals
49023 Cashiers	79856 Farm Workers, Food/Fiber Crops
68038 Child Care Workers	55321 File Clerks
98905 Cleaners of Vehicles/Equipment	87608 Floor Sanding Machine Operators
67099 Cleaning/Building Service Workers, NEC	65041 Food Prep/Service Workers, Fast Food
93908 Coil Winders/Tapers/Finishers	65038 Food Preparation Workers
98319 Construction Trades Helpers, NEC	65011 Food Servers
65032 Cooks, Fast Food	65099 Food Service Workers, NEC
65035 Cooks, Short Order	79002 Forest & Conservation Workers
55317 Correspondence Clerks	98799 Freight/Stock/Movers, Hand, NEC
49017 Counter & Rental Clerks	68041 Funeral Attendants

93911 Glaziers, Manufacturing	68028 Other Transportation Attendants
79011 Graders/Sorters, Agric Products	98314 Painters/Paperhangers Helpers
93953 Grinders & Polishers, Hand	93947 Painting/Coating/Decorating Workers
63047 Guards	63021 Parking Enforcement Workers
68017 Guides	97808 Parking Lot Attendants
98902 Hand Packers & Packagers	55341 Payroll & Timekeeping Clerks
93999 Hand Workers, NEC	68035 Personal/Home Care Aides
66099 Health Service Workers, NEC	66026 Pharmacy Aides
98999 Helpers/Laborers/Movers, NEC	92908 Photographic Process Mach Opers
87711 Highway Maintenance Workers	98315 Plumbers/Related Helpers
66011 Home Health Aides	93928 Portable Machine Cutters
65002 Hosts/Hostesses: Restaurant/Lounge	57305 Postal Mail Carriers
53808 Hotel/Motel/Resort Desk Clerks	57308 Postal Service Clerks
55314 Human Res Assistants, Exc Payroll/Time	93921 Pressers, Hand
97947 Industrial Truck & Tractor Opers	55326 Procurement Clerks
55332 Interview Clerks, Exc Personnel	58008 Production/Planning/Expediting Clerks
53505 Investigators, Clerical	53911 Proofreaders & Copy Markers
67005 Janitors & Cleaners	63099 Protective Service Workers, NEC
79041 Laborers, Landscaping/Groundskeeping	79033 Pruners
53902 Library Assistants/Bookmobile Drivers	66014 Psychiatric Aides
31505 Library Technicians	53914 Real Estate Clerks
53708 License Clerks	55305 Reception & Information Clerks
53121 Loan & Credit Clerks	98705 Refuse/Recyclable Material Collectors
53111 Loan Interviewers	53805 Reservation & Transport Ticket Agents
79008 Log Graders & Scalers	49011 Retail Salespersons
93902 Machine Assemblers	98316 Roofers Helpers
98502 Machine Feeders & Offbearers	97514 Seamen, Able
67002 Maids & Housekeeping Cleaners	97517 Seamen, Ordinary & Maine Oilers
57302 Mail Clerks, Exc Mail Mach/Postal Serv	97805 Service Station Attendants
56008 Mail Mach Opers, Preparation/Handling	69999 Service Workers, NEC
58021 Marking Clerks	93923 Sewers, Hand
58099 Material Rec/Sched/Distr Workers, NEC	68011 Shampooers
93938 Meat/Poultry/Fish Cutters, Hand	58028 Shipping/Receiving/Traffic Clerks
98102 Mechanic & Repairer Helpers	93917 Solderers & Brazers
58014 Meter Readers, Utilities	53126 Statement Clerks
92905 Motion Picture Projectionists	98702 Stevedores, Exc Equip Operators
97199 Motor Vehicle Operators, NEC	49021 Stock Clerks, Sales Floor
53705 Municipal Clerks	58023 Stock Clerks: Stockroom/Warehouse
66008 Nursing Aides/Orderlies/Attendants	57102 Switchboard Operators
55347 Office Clerks, General	97114 Taxi Drivers & Chauffeurs
56099 Office Machine Operators, NEC	31521 Teacher Aides, Paraprofessional
55323 Order Clerks	53905 Teacher Aides/Educational Assistants
58026 Order Fillers, Wholesale/Retail	73099 Timber Cutting/Rel Log Workers, NEC

85953 Tire Repairers & Changers
53108 Transit Clerks
58011 Transportation Agents
53802 Travel Clerks
97102 Truck Drivers, Heavy
97105 Truck Drivers, Light

68021 Ushers/Lobby Attendants/Ticket Takers
79806 Veterinary Assistants
65008 Waiters & Waitresses
68032 Wardrobe & Dressing Room Attends
58017 Weighers/Measurers/Checkers